Operator Logo

ZXA10 C300C320V2.x C300MC350MV4.x MIB Specifications

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Version	Date	Author	Reviewer	Notes
V1.0	2013-11-6	Zeng Tao		Not open to the third party
	2014-1-22	Jing Yu Dan		

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1   Overview

This document is applicable to ZTE PON OLT product ZXA10 **C300C320V2.x C300MC350MV4.x**.

The majority of the MIB object information is available from the corresponding MIB files, which are the ultimate and most reliable source of all MIB objects. This document only lists the key information and the related MIB files.

Unless otherwise stipulated, the MIBs remain unchanged between different versions and are applicable to all released versions of the OLT.

2 Composite Indices

The ZXA10 C3xx v2.0 Interface Indices are composed of two four-bit indices. The first is IfIndex and the second is ZxAnSubIfIndex.

2.1 IfIndex

For ZXA10 **C300C320V2.x C300MC350MV4.x**, IfTable includes all physical and logical ports. IfTable uses structural composite indices to identify different physical and logical ports. The IfTable indices are defined in **ZTE-AN-TC-MIB.mib**.

IfIndex defines two interface types. The first four bits indicate the interface type.

2.1.1 IfIndex Type 1

IfIndex Type 1 indicates a physical port.

(MSB)Type(4bits)	4bits	8bits	8bits	8bits(LSB)
1	rack	shelf	slot	port

2.1.2 IfIndex Type 2

IfIndex Type 2 indicates a logical port.

(MSB)Type(4bits)	subType(4bits)	8bits	16bits(LSB)
2	1	0	smartgroup ID
2	2	0	L3 interface VLAN ID
2	3	0	L3 interface Super VLAN ID
2	4	0	L3 interface Loopback ID
2	5	0	L3 interface Inband VLAN ID
2	6	0	Pseudo-wire No.
2	7	0	L3 mng interface No.
2	8	0	CIP interface No.for MPLS access circuit

(MSB)Type(4bits)	subType(4bits)	8bits	16bits(LSB)
2	9	0	CPU(1)

2.2 ZxAnSubIfIndex

ZxAnSubIfIndex indicates the sub-interfaces under one physical port. ZxAnSubIfIndex must be used together with ifIndex. ZxAnSubIfIndex uses complicated bit-coding to identify the sub-interfaces. The definitions of each bit field are stipulated in *ZTE-AN-TC-MIB.mib*.

ZxAnSubIfIndex defines nine interface types. The first five bits indicate an interface type.

2.2.1 ZxAnSubIfIndex Type 1

ZxAnSubIfIndex Type 1 indicates an ONT.

(MSB)Type(5bits)	11bits	16bits (LSB)
1	ONT ID	0

2.2.2 ZxAnSubIfIndex Type 2

ZxAnSubIfIndex Type 2 indicates the ONT bridge port.

(MSB)Type(5bits)	11bits	8bits	8bits(LSB)
2	ONT ID	bridgeportID	0

2.2.3 ZxAnSubIfIndex Type 3

ZxAnSubIfIndex Type 3 indicates an ONT service port.

(MSB)Type(5bits)	11bits	8bits	8bits(LSB)
3	ONT ID	Serviceport ID	0

2.2.4 ZxAnSubIfIndex Type 4

ZxAnSubIfIndex Type 4 indicates an ONT gemport.

(MSB)Type(5bits)	11bits	8bits	8bits(LSB)
4	ONT ID	Gemport ID	0

2.2.5 ZxAnSubIfIndex Type 5

ZxAnSubIfIndex Type 5 indicates an ONT UNI port.

(MSB)Type(5bits)	11bits	8bits	8bits(LSB)
5	ONT ID	Slot	UNI port ID

2.2.6 ZxAnSubIfIndex Type 6

ZxAnSubIfIndex Type 6 indicates a DSL PVC.

(MSB)Type(5bits)	11bits	8bits	8bits(LSB)
6	0	0	PVC

2.2.7 ZxAnSubIfIndex Type 7

ZxAnSubIfIndex Type 7 indicates an ATM/IMA PVC.

(MSB)Type(5bits)	11bits	16bits(LSB)
7	0	PVC

2.2.8 ZxAnSubIfIndex Type 8

ZxAnSubIfIndex Type 8 indicates an ONT CVLAN and SVLAN pair.

(MSB)Type(5bits)	1bit	12bits	12bits(LSB)
8	0	SVLAN ID	CVLAN ID

2.2.9 ZxAnSubIfIndex Type 9

ZxAnSubIfIndex Type 9 indicates a P2P or smartgroup serviceport.

(MSB)Type(5bits)	19bits	8bits(LSB)

| 9 | 0 | Serviceport ID |

3 System Control

3.1 NE Information

[Function description]:

This MIB is used for obtaining the basic NE information including Object ID, description information, system operating time, system location, etc.

[MIB file]:

SNMPv2-MIB.mib

[Index description]:

Global index; index .0

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
sysDescr	.1.3.6.1.2.1.1.1		Read only
sysObjectID	.1.3.6.1.2.1.1.2		Read only
sysUpTime	.1.3.6.1.2.1.1.3		Read only
sysContact	.1.3.6.1.2.1.1.4		
sysName	.1.3.6.1.2.1.1.5		
sysLocation	.1.3.6.1.2.1.1.6		
sysServices	.1.3.6.1.2.1.1.7		Read only
sysORLastChange	.1.3.6.1.2.1.1.8		Read only
sysORID	.1.3.6.1.2.1.1.9.1.2		Read only
sysORDescr	.1.3.6.1.2.1.1.9.1.3		Read only
sysORUpTime	.1.3.6.1.2.1.1.9.1.4		Read only

3.2 Shelf Information

[Function description]:

This MIB is used for obtaining the actual shelf type and configured shelf type of an NE and for configuring the shelf type for an NE.

[MIB file]:

ZTE-AN-CHASSIS-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnChassisSysReboot	.1.3.6.1.4.1.3902.1082.10.1.1.1		
zxAnChassisSysLastRebootReason	.1.3.6.1.4.1.3902.1082.10.1.1.2		Read only
zxAnChassisSysLastSwapReason	.1.3.6.1.4.1.3902.1082.10.1.1.3		Read only
zxAnChassisPnpMode	.1.3.6.1.4.1.3902.1082.10.1.1.4		
zxAnRackActualType	.1.3.6.1.4.1.3902.1082.10.1.2.2.1.2		Read only
zxAnRackConfType	.1.3.6.1.4.1.3902.1082.10.1.2.2.1.3		
zxAnRackInvSn	.1.3.6.1.4.1.3902.1082.10.1.2.2.1.4		
zxAnRackRowStatus	.1.3.6.1.4.1.3902.1082.10.1.2.2.1.50		
zxAnShelfHardwareVersion	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.2		Read only
zxAnShelfActualType	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.3		Read only
zxAnShelfConfType	.		

MIB Variable	OID	MIB Value	Description
	1.3.6.1.4.1.3902.1082.10.1.2.3.1.4		
zxAnShelfInvSn	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.5		
zxAnShelfCleiCode	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.6		
zxAnLogicShelfNo	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.7		
zxAnShelfRowStatus	.1.3.6.1.4.1.3902.1082.10.1.2.3.1.50		
zxAnCardAdminStatus	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.6		
zxAnCardPortNums	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.7		Read only
zxAnCardActivePortNums	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.8		Read only
zxAnCardCpuLoad	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.9		Read only
zxAnCardCpuLoadThreshold	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.10		
zxAnCardMemUsage	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.11		Read only
zxAnCardMemUsageThreshold	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.12		
zxAnCardStandbyStatus	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.		Read only

MIB Variable	OID	MIB Value	Description
	13		
zxAnCardInvSn	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 14		
zxAnCardCleiCode	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 15		Read only
zxAnCardAccessoriesType	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 16		Read only
zxAnCardAccessoriesOperStatus	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 17		Read only
zxAnCardMemSize	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 19		Read only
zxAnCardAvailableStorageSize	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 21		Read only
zxAnCardTotalStorageSize	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 22		Read only
zxAnCardHardwareVersion	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 23		Read only
zxAnCardEnergySavingEnable	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1. 24		

Remark:

The actual shelf type zxAnShelfActualMIB and the configured shelf type zxAnShelfConfMIB are defined as follows:

0x0009 0101   19-inch shelf

0x0009 0102   21-inch shelf

0x0009 0103   C320 shelf

0x0009 0104   C350 shelf

3.3   Card Information

[Function description]:

This MIB is used for obtaining the card configuration list of an NE.

[MIB file]:

ZTE-AN-CHASSIS-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID), zxAnShelf (shelf ID), and zxAnSlot (slot ID). zxAnRack (rack ID) and zxAnShelf (shelf ID) are numbered from 0. zxAnSlot (slot ID) is numbered from 1.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnCardConfMainType	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.2		Configured card type
zxAnCardActualMainType	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.3		Actual card type (read only)
zxAnCardActualType	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.4		Card name (read only)
zxAnCardOperStatus	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.5		Card status (read only)
zxAnSubcardAdminStatus	. 1.3.6.1.4.1.3902.1082. 10.1.2.5.1.6		
zxAnSubcardPortNums	. 1.3.6.1.4.1.3902.1082. 10.1.2.5.1.7		read only

MIB Variable	OID	MIB Value	Description
zxAnSubcardActivePortNums	. 1.3.6.1.4.1.3902.1082. 10.1.2.5.1.8		read only
zxAnCardCpuLoad	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.9		CPU load (read only)
zxAnSubcardMemUsage	. 1.3.6.1.4.1.3902.1082. 10.1.2.5.1.10		**Read only**
zxAnCardMemUsage	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.11		Memory usage percentage (%) (read only）
zxAnCardStandbyStatus	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.13		Card active and standby status (read only)
zxAnCardRowStatus	. 1.3.6.1.4.1.3902.1082. 10.1.2.4.1.50		

Remark:

The zxAnCardCfgMainMIB value and the zxAnCardActMainMIB value are defined as follows:

/*Main control card*/

SCGL   (0x00090101)

SCGM   (0x00090102)

SCXL   (0x00090103)

SCXM   (0x00090104)

SCGS   (0x00090105)

SCXMC   (0x00090106)

SCXLC   (0x00090108)

SCTM   (0x00090109)

SMXA   (0x0009010a)

SCXN   (0x0009010b)

SCTMB   (0x0009010c)

/*Uplink card*/

GCFD   (0x00091501)

GCTD   (0x00091502)

GUSQ   (0x00091503)

GUFQ   (0x00091504)

GCFDF   (0x00091505)

GUFQF   (0x00091506)

GUSQF   (0x00091507)

XUTQ   (0x00091508)

TUCDT   (0x00091509)

TUGQS   (0x0009150A)

XDTD   (0x0009150B)

XDTS   (0x0009150C)

HUTQ   (0x0009150D)

HUGQ   (0x0009150E)

XUXQ   (0x0009150F)

/*Extended uplink card*/

GUTQ   (0x00091f01)

HUXQ   (0x00091f04)

HUVQ   (0x00091f06)

XUVQ   (0x00091f07)

HUKQ   (0x00091f08)

XDTO   (0x00091f09)

/* ADS line card */
ASWVC   (0x00092001)
APWVF   (0x00092003)
AMWVF   (0x00092004)
ANWVF   (0x00092005)

/* SHDSL line card */
SSWGF   (0x00092101)
SMWGF   (0x00092102)
SLWGF   (0x00092103)
/* VDSL line card */
VMWKC   (0x00092204)
VMWVC   (0x00092206)
VMWVS   (0x00092209)
VIWVC   (0x0009220a)
VMWGC   (0x00092207)
VHWKC   (0x0009220b)
VPWVC   (0x0009220c)

/*EPON line card*/

ETGO   (0x00092301)

ETXD   (0x00092302)

ETTD   (0x00092303)

ETTS   (0x00092304)

WTBS   (0x00092305)

ETTQ   (0x00092306)

ETGH   (0x00092307)

ETTO   (0x00092308)

/*GPON line card*/

GTGO   (0x00092401)

GTGQ   (0x00092402)

GTXD   (0x000924003)

GTXT   (0x00092404)

GTHQ   (0x00092408)

GTXQ   (0x00092407)

GTGH   (0x00092409)

GTXO   (0x0009240C)

GTGOF   (0x0009240f)

/*Power card*/

PRWG   (0x00094002)

PRAM   (0x00094003)

/*P2P interface card*/

FTGH   (0x00091601)

GDFO   (0x00091602)

HDTT   (0x00091603)

GDFOU   (0x00091604)

FTGHU   (0x00091605)

HDTTU   (0x00091606)

FTGK   (0x00091607)

FTGKU   (0x00091608)

FTGKN   (0x0009160a)

/*Public interface card*/

CICT   (0x0009A001)

CICG   (0x0009A002)

CICK   (0x0009A003)

/*CES interface card*/

CTLA   (0x00092901)

CTEBA   (0x00092902)

CTEUA   (0x00092903)

CTTB   (0x00092904)

CTBB   (0x00092905)

CTUB   (0x00092906)

Card status:

1: inService

2: notInService

3: hwOnline

4: hwOffline

5: configuring

6: configFailed

7: MIB value mismatch

8: deactived

9: faulty

10: invalid

11: noPower

Card active and standby status:

1: Active

2: Standby

15: Unknown

3.4 Version Information

[Function description]:

This MIB is used for viewing the current running version of an NE including the main version, boot version, and fireware version.

[MIB file]:

ZTE-AN-SOFTWARE-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID), zxAnShelf (shelf ID), and zxAnSlot (slot ID). zxAnRack (rack ID) and zxAnShelf (shelf ID) are numbered from 0. zxAnSlot (slot ID) is numbered from 1.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnSwCardFileName	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.5		Main version name
zxAnSwCardFileType	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.6		Main version type
zxAnSwCardVersion	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.7		Main version ID

zxAnSwCardFileLen	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.8		Main version file length
zxAnSwCardBuildTime	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.9		Main version build time
zxAnSwCardBootwareFileName	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.10		Boot version name
zxAnSwCardBootwareFileType	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.11		Boot version type
zxAnSwCardBootwareVersion	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.12		Boot version ID
zxAnSwCardBootwareFileLen	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.13		Boot version file length
zxAnSwCardBootwareBuildTime	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.14		Boot version build time
zxAnSwCardFirmware1FileName	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.15		Firmware version name
zxAnSwCardFirmware1FileType	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.16		Firmware version type
zxAnSwCardFirmware1Version	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.17		Firmware version ID
zxAnSwCardFirmware1FileLen	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.18		Firmware version file length
zxAnSwCardFirmware1BuildTime	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.19		Firmware version build time
zxAnSwCardFirmware2FileName	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.2.1.20		
zxAnSwCardFirmw	.		

are2FileType	1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.21		
zxAnSwCardFirmware2Version	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.22		
zxAnSwCardFirmware2FileLen	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.23		
zxAnSwCardFirmware2BuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.24		
zxAnSwCardFirmware3FileName	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.25		
zxAnSwCardFirmware3FileType	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.26		
zxAnSwCardFirmware3Version	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.27		
zxAnSwCardFirmware3FileLen	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.28		
zxAnSwCardFirmware3BuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.2.2.1.29		
zxAnSwSubcardFileName	.1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.3		
zxAnSwSubcardFileType	.1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.4		
zxAnSwSubcardVersion	.1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.5		
zxAnSwSubcardFileLen	.1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.6		
zxAnSwSubcardBuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.		

	2.3.1.7		
zxAnSwSubcardBootwareFileName	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.8		
zxAnSwSubcardBootwareFileType	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.9		
zxAnSwSubcardBootwareVersion	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.10		
zxAnSwSubcardBootwareFileLen	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.11		
zxAnSwSubcardBootwareBuildTime	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.12		
zxAnSwSubcardFirmwareFileName	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.13		
zxAnSwSubcardFirmwareFileType	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.14		
zxAnSwSubcardFirmwareVersion	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.15		
zxAnSwSubcardFirmwareFileLen	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.16		
zxAnSwSubcardFirmwareBuildTime	. 1.3.6.1.4.1.3902.1082.20.30.2.2.3.1.17		
zxAnSwImageFileType	. 1.3.6.1.4.1.3902.1082.20.30.2.2.4.1.2		
zxAnSwImageVersion	. 1.3.6.1.4.1.3902.1082.20.30.2.2.4.1.3		
zxAnSwImageFileLen	. 1.3.6.1.4.1.3902.1082.20.30.2.2.4.1.4		

zxAnSwImageBuild Time	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.4.1.5		
zxAnSwImageActiv eStatus	. 1.3.6.1.4.1.3902.1082.20.30.2. 2.4.1.6		

3.5　Manually Updated Information

[Function description]:

This MIB is used for viewing the manually updated information.

[MIB file]:

ZTE-AN-SOFTWARE-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnSwManualUp dateRack	. 1.3.6.1.4.1.3902.1082.20.30.2.3. 2.1.1		Manually updated rack ID
zxAnSwManualUp dateShelf	. 1.3.6.1.4.1.3902.1082.20.30.2.3. 2.1.2		Manually updated shelf ID
zxAnSwManualUp dateSlotList	. 1.3.6.1.4.1.3902.1082.20.30.2.3. 2.1.3		Manually updated slot ID
zxAnSwManualUp dateSwType	. 1.3.6.1.4.1.3902.1082.20.30.2.3. 2.1.4		Manually updated file type
zxAnSwManualUp dateStatus	. 1.3.6.1.4.1.3902.1082.20.30.2.3. 2.5.1.2		

MIB Variable	OID	MIB Value	Description
zxAnSwManualFailedReason	.1.3.6.1.4.1.3902.1082.20.30.2.3.2.5.1.3		

3.6   Auto Update Check

[Function description]:

This MIB is used for enabling the auto update check function.

[MIB file]:

ZTE-AN-SOFTWARE-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnSwAutoUpdateChkEnable	.1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.1		Auto update check enabled
zxAnSwAutoUpdateChkStartTime	.1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.2		Auto update check start time
zxAnSwAutoUpdateChkInterval	.1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.3		Auto update check interval
zxAnSwAutoUpdateCurrChkStartTime	.1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.4		Current auto update check start time
zxAnSwAutoUpdateChkDifferFiles	.1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.5		Auto update check inconsistent file
zxAnSwAutoUpdateC	.		Auto update

MIB Variable	OID	MIB Value	Description
hkStatus	1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.6		check status
zxAnSwAutoUpdateChkFailedReason	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.1.7		Auto update check failure reason

3.7   Auto Update Information

[MIB file]:

ZTE-AN-SOFTWARE-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnSwAutoUpdateAction	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.2.1		Auto update action
zxAnSwAutoUpdateActiveEnable	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.2.2		Auto update enabled
zxAnSwAutoUpdateSwBackupEnable	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.2.3		Auto update backup enabled
zxAnSwAutoUpdateStatus	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.2.20		Auto update status
zxAnSwAutoUpdateCurrFileName	. 1.3.6.1.4.1.3902.1082.20.30.2.3.3.1.2.21		Current update file name
zxAnSwAutoUpdateCurrFileSize	. 1.3.6.1.4.1.3902.1082.20.		Size of the current

MIB Variable	OID	MIB Value	Description
	30.2.3.3.1.2.22		update file
zxAnSwAutoUpdateCurr FileProgress	. 1.3.6.1.4.1.3902.1082.20. 30.2.3.3.1.2.23		File update progress
zxAnSwAutoUpdateTotal Files	. 1.3.6.1.4.1.3902.1082.20. 30.2.3.3.1.2.24		Total number of update files
zxAnSwAutoUpdateSucc essFiles	. 1.3.6.1.4.1.3902.1082.20. 30.2.3.3.1.2.25		Total number of successfully updated files
zxAnSwAutoUpdateFaile dReason	. 1.3.6.1.4.1.3902.1082.20. 30.2.3.3.1.2.26		Update failure reason

MIB Variable	OID	MIB Value	Description
zxAnSwSwapRack	. 1.3.6.1.4.1.3902.1082.20. 30.2.4.1.1		
zxAnSwSwapShelf	. 1.3.6.1.4.1.3902.1082.20. 30.2.4.1.2		
zxAnSwSwapSlot	. 1.3.6.1.4.1.3902.1082.20. 30.2.4.1.3		

3.8   Auto Backup Information

[MIB file]:

ZTE-AN-DATA-BACKUP-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDataAutoBackupEnable	.1.3.6.1.4.1.3902.1082.20.45.2.5.1.2		Auto backup enabled
zxAnDataAutoBackupStartTime	.1.3.6.1.4.1.3902.1082.20.45.2.5.1.3		Auto backup start time
zxAnDataAutoBackupInterval	.1.3.6.1.4.1.3902.1082.20.45.2.5.1.4		Auto backup interval
zxAnDataAutoBackupHoldOffTime	.1.3.6.1.4.1.3902.1082.20.45.2.5.1.5		Auto backup hold off time
zxAnDataAutoBackupMaxHoldOffTime	.1.3.6.1.4.1.3902.1082.20.45.2.5.1.6		Auto backup maximum hold off time
zxAnDataManualBackupAction	.1.3.6.1.4.1.3902.1082.20.45.2.6.1.2		Auto backup started
zxAnDataBackupCurrStartTime	.1.3.6.1.4.1.3902.1082.20.45.2.7.1.2		Current auto backup start time
zxAnDataBackupCurrFileName	.1.3.6.1.4.1.3902.1082.20.45.2.7.1.3		Name of the current backup file
zxAnDataBackupCurrFileSize	.1.3.6.1.4.1.3902.1082.20.45.2.7.1.4		Size of the current backup file
zxAnDataBackupCurrFileProgress	.1.3.6.1.4.1.3902.1082.20.45.2.7.1.5		Current file backup progress
zxAnDataBackupTotalFiles	.1.3.6.1.4.1.3902.1082.20.45.2.7.1.6		Total number of backup files
zxAnDataBackupSuccessFiles	.1.3.6.1.4.1.3902.1082.2		Number of successful

MIB Variable	OID	MIB Value	Description
	0.45.2.7.1.7		backup files
zxAnDataBackupStatus	. 1.3.6.1.4.1.3902.1082.2 0.45.2.7.1.8		Backup status
zxAnDataBackupFailedReason	. 1.3.6.1.4.1.3902.1082.2 0.45.2.7.1.9		Backup failure reason

3.9   File Operation and Configuration Information

[MIB file]:

ZTE-AN-FILE-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnFileLoadDefaultConfiguration	. 1.3.6.1.4.1.3902.1082.20.50. 1.2		Load default configurations
zxAnFileFtpFileType	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.1		File type
zxAnFileFtpOperType	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.2		File operation type
zxAnFileFtpAction	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.3		File status information
zxAnFileFtpSvrIpAddressType	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.4		Server address type
zxAnFileFtpSvrIpAddr	.		File FTP

MIB Variable	OID	MIB Value	Description
ess	1.3.6.1.4.1.3902.1082.20.50.2.1.1.5		server IP address
zxAnFileFtpSvrUserName	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.6		File FTP server user name
zxAnFileFtpSvrUserPwd	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.7		File FTP server user password
zxAnFileFtpSvrProtocolType	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.8		File FTP server protocol type
zxAnFileFtpSvrFilePath	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.9		File FTP server path
zxAnFileFtpSvrFileName	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.10		File name
zxAnFileFtpFileRetrieveStartTime	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.21		File retrieve start time
zxAnFileFtpFileRetrieveEndTime	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.22		File retrieve end time
zxAnFileFtpPerfLogType	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.30		
zxAnFileFtpOperStatus	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.50		
zxAnFileFtpCurrFileName	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.51		
zxAnFileFtpCurrFileSize	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.52		
zxAnFileFtpCurrFileProgress	.1.3.6.1.4.1.3902.1082.20.50.2.1.1.53		

MIB Variable	OID	MIB Value	Description
zxAnFileFtpTotalFiles	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.54		
zxAnFileFtpSuccessFiles	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.55		
zxAnFileFtpFailedReason	. 1.3.6.1.4.1.3902.1082.20.50. 2.1.1.56		
zxAnFileSize	. 1.3.6.1.4.1.3902.1082.20.50. 2.2.2.1.7		File size
zxAnFileModifyTime	. 1.3.6.1.4.1.3902.1082.20.50. 2.2.2.1.8		File modification time
zxAnFileStorageDevType	. 1.3.6.1.4.1.3902.1082.20.50. 2.2.2.1.9		File storage device type
zxAnFileOperation	. 1.3.6.1.4.1.3902.1082.20.50. 2.2.2.1.15		Active and standby operation type

3.10   File Server Configuration Information

[MIB file]:

ZTE-AN-FILE-SERVER-MIB.mib

[Index description]:

The index consists of zxAnRack (rack ID) and zxAnShelf (shelf ID), both of which are numbered from 0.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnFileServerGroupWorkMode	. 1.3.6.1.4.1.3902.1082.		File server work mode

MIB Variable	OID	MIB Value	Description
	20.55.2.2.1.2		
zxAnFileServerIpAddressType	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.2		File server IP address type
zxAnFileServerIpAddress	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.3		File server IP address
zxAnFileServerProtocolType	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.4		File server protocol type
zxAnFileServerUserName	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.5		File server user name
zxAnFileServerUserPwd	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.6		File server password
zxAnFileServerPath	.1.3.6.1.4.1.3902.1082.20.55.2.3.1.7		File server path

3.11 Wachdog Configuration

[MIB file]:

ZTE-AN-WATCHDOG-MIB.mib

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnCardHardwareWatchdogEnable	.1.3.6.1.4.1.3902.1082.10.20.2.1.2.1.1	INTEGER {enabled (1), disabled (2) }	Hardware watchdog enabled
zxAnCardTaskSuspendCardResetMode	.1.3.6.1.4.1.3902.1082.10.20.2.1.2.1.2	INTEGER {notReset(1), allTask (2),criticalTask (3)}	Task suspended and reset
zxAnCardSoftwareWatchdogEnable	.1.3.6.1.4.1.3902.10	INTEGER {enabled(1),disa	Software watchdog

MIB Variable	OID	MIB Value	Description
	82.10.20.2.1.2.1.3	bled (2)}	enabled
zxAnCardTaskDurationThreshold	. 1.3.6.1.4.1.3902.10 82.10.20.2.1.2.1.4	Integer32 (1 .. 60)	Wait duration threshold of restart after task endless loop
zxAnCardTaskCpuUsageThreshold	. 1.3.6.1.4.1.3902.10 82.10.20.2.1.2.1.5	Integer32(1 .. 100)	CPU occupation threshold during task endless loop

3.12 Environmental Monitoring

[MIB file]:

ZTE-AN-ENVMON-MIB.mib

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnEnvMonCapabilities	. 1.3.6.1.4.1.3902.10 82.10.10.1.1		Read only

3.12.1
Temperature

MIB Variable	OID	MIB Value	Description
zxAnEnvCardShutdownReason	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.1.1		Card offline reason
zxAnEnvTemp	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.5.1.3		Current ambient temperature
zxAnEnvTempHighAlmThreshold	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.5.1.4		Current high temperature threshold
zxAnEnvTempCriticalAlmThreshold	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.5.1.5		Current high temperature critical alarm

MIB Variable	OID	MIB Value	Description
			threshold
zxAnEnvTempLowAlmThreshold	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.6		Current low temperature threshold
zxAnCardTemp	.1.3.6.1.4.1.3902.1082.10.10.2.1.6.1.2		Current card temperature (some cards do not support this function)
zxAnCardPowerConsumption	.1.3.6.1.4.1.3902.1082.10.10.2.1.6.1.3		Current power consumption of all cards
zxAnEnvOverheatProtectEnable	.1.3.6.1.4.1.3902.1082.10.10.2.1.13.1.1		Overheat protection enabled
zxAnEnvOverheatProtectDelay	.1.3.6.1.4.1.3902.1082.10.10.2.1.13.1.2		Interval between heat protection strategy 1 and strategy 2 of the overheat area
zxAnEnvOverheatProtectFirstStep	.1.3.6.1.4.1.3902.1082.10.10.2.1.13.1.3		Overheat protection strategy 1
zxAnEnvOverheatProtectSecondStep	.1.3.6.1.4.1.3902.1082.10.10.2.1.13.1.4		Overheat protection strategy 2
zxAnCardEnvHis15MinDateTime	.1.3.6.1.4.1.3902.1082.10.10.2.1.7.1.2		
zxAnCardEnvHis15MinTemp	.1.3.6.1.4.1.3902.1082.10.10.2.1.7.1.3		Average temperature in 15 minute
zxAnCardEnvHis1DayDateTime	.1.3.6.1.4.1.3902.1082.10.10.2.1.8.1.2		
zxAnCardEnvHis1Da	.		Average

MIB Variable	OID	MIB Value	Description
yTemp	1.3.6.1.4.1.3902.1082.10. 10.2.1.8.1.3		temperature in 1 day
zxAnCardEnvRiseAlm Thresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.3		
zxAnCardEnvClrRise AlmThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.4		
zxAnCardEnvRiseWa rnThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.5		
zxAnCardEnvClrRise WarnThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.6		
zxAnCardEnvFallWar nThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.7		
zxAnCardEnvClrFall WarnThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.8		
zxAnCardEnvFallAlm Thresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.9		
zxAnCardEnvClrFallA lmThresh	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.10		
zxAnCardEnvAlmPrf ConfRowStatus	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.9.1.50		
zxAnCardEnvAlmPrf	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.10.1.1		
zxAnCardEnvAlmPrf ApplyRowStatus	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.10.1.50		
zxAnCardEnvAlmPrf RowStatus	. 1.3.6.1.4.1.3902.1082.10. 10.2.1.11.1.50		

MIB Variable	OID	MIB Value	Description
zxAnEnvOverheatProtectionEnable	.1.3.6.1.4.1.3902.1082.10.10.2.1.12.1.1		
zxAnEnvOverheatTempThreshold	.1.3.6.1.4.1.3902.1082.10.10.2.1.12.1.2		
zxAnEnvOverheatAutoRecoveryTime	.1.3.6.1.4.1.3902.1082.10.10.2.1.12.1.3		
zxAnEnvMonInterfaceUsage	.1.3.6.1.4.1.3902.1082.10.10.2.2.5.1.1		
zxAnEnvEpmConnectPort	.1.3.6.1.4.1.3902.1082.10.10.2.2.5.1.2		
zxAnEnvBackplaneInterfaceUsage	.1.3.6.1.4.1.3902.1082.10.10.2.2.5.1.3		
zxAnPowerSupplyOperStatus	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.1		

3.12.2 Emergency Power Saving

MIB Variable	OID	MIB Value	Description
zxAnEnvEmergencyPowerSaveEnable	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.1		Emergency power saving enabled
zxAnEnvEmergencyPowerSaveDelay	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.2		Emergency power saving effective time after the AC power is off
zxAnEnvEmergencyPowerSaveRecover	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.3		Emergency power saving ineffective time when the AC

MIB Variable	OID	MIB Value	Description
			power is restored
zxAnEnvEmergencyPowerSaveSvcType	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.4		Service type under emergency power saving
zxAnEnvPowerMode	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.5		Current power supply mode
zxAnPowerSupplyMaxPowerNum	.1.3.6.1.4.1.3902.1082.10.10.2.3.10.1.1		Maximum number of power supply
zxAnPowerSupplyInVoltage	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.2		Actual current input voltage
zxAnPowerSupplyInVoltageStatus	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.3		Current voltage status
zxAnPowerInVoltageUpperThresh	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.4		Maximum input voltage value. Alarms will be generated when the input voltage exceeds the maximum threshold.
zxAnPowerInVoltageLowerThresh	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.5		Minimum input voltage value. Alarms will be generated when the input voltage lowers than the minimum threshold.
zxAnPowerSupplyOperStatus	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.1		
zxAnPowerSupplyInCurrent	.1.3.6.1.4.1.3902.1082.1		

MIB Variable	OID	MIB Value	Description
	0.10.2.3.11.1.6		
zxAnPowerInCurrentThresh	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.7		

3.12.3   Fan

MIB Variable	OID	MIB Value	Description
zxAnFanTrayAlarmBeepEnable	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.1		Fan beep status
zxAnFanTrayAutoSwitchByCardUp	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.2		
zxAnFanTrayHardwareVersion	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.3		
zxAnFanTraySoftwareVersion	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.4		
zxAnFanTraySpeedCtrlMode	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.5		Fan mode (fixed rotation speed or temperature control)
zxAnFanTrayLowSpeed	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.6		
zxAnFanTrayStdSpeed	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.7		
zxAnFanTrayHighSpeed	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.8		
zxAnFanTraySuperSpeed	.1.3.6.1.4.1.3902.1082.10.10.2.4.10.1.9		
zxAnFanTrayLowSpee	.		Temperature that

MIB Variable	OID	MIB Value	Description
dShiftTemp	1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.10		triggers low rotation speed
zxAnFanTrayStdSpeed ShiftTemp	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.11		Temperature that triggers middle rotation speed
zxAnFanTrayHighSpee dShiftTemp	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.12		Temperature that triggers high rotation speed
zxAnFanTraySuperSpe edShiftTemp	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.13		Temperature that triggers full rotation speed
zxAnFanTrayLowSpee dPercent	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.14		Duty cycle in low rotation speed
zxAnFanTrayStdSpeed Percent	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.15		Duty cycle in middle rotation speed
zxAnFanTrayHighSpee dPercent	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.16		Duty cycle in high rotation speed
zxAnFanTraySuperSpe edPercent	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.17		Duty cycle in full rotation speed
zxAnFanTrayAdminSta tus	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.18		Current status of the fan card
zxAnFanTrayConfSpee dLevel	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.10.1.19		Current fan rotation speed level
zxAnEnvFanConfSpee dLevel	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.2		Configured fan rotation speed level
zxAnEnvFanActualSpe edLevel	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.3		Actual fan rotation speed level
zxAnEnvFanAdminStat us	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.4		Current fan status switch (up or down)

MIB Variable	OID	MIB Value	Description
zxAnEnvFanOperStatus	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.5		Fan operating status
zxAnEnvFanOnlineStatus	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.6		Fan online status
zxAnEnvFanActualSpeed	. 1.3.6.1.4.1.3902.1082. 10.10.2.4.11.1.7		Actual fan rotation speed

3.13   Environmental Device

MIB Variable	OID	MIB Value	Description
zxAnEnvDeviceName	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.2.1.2		Environmental device name
zxAnEnvDeviceRowStatus	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.2.1.50		Environmental device row status
zxAnEnvDevMonSwitchDeviceId	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.3.1.2		Device ID associated with the volume switch
zxAnEnvDevMonSwitchTrapEnable	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.3.1.3		Environmental device normal or abnormal alarm
zxAnEnvDevMonSwitchNormalStatus	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.3.1.4		Normal status of the environmental device
zxAnEnvDevMonSwitchCurrStatus	. 1.3.6.1.4.1.3902.1082. 10.10.2.5.3.1.5		Current environmental device status

3.13.1 CPE Information

[MIB file]:

ZTE-AN-REMOTE-UNIT-SW-MIB.mib

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnRuSwManualUpdateList	. 1.3.6.1.4.1.3902.1082.20.40.1.1.1		Remote update list
zxAnRuSwManualUpdateAction	. 1.3.6.1.4.1.3902.1082.20.40.1.1.6		Software version update strategy
zxAnRuSwManualUpdateFileName	. 1.3.6.1.4.1.3902.1082.20.40.1.1.7		Software version file name
zxAnRuSwUpdatingTaskDesc	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.2		Task description
zxAnRuSwUpdatingTaskMode	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.3		Task update mode
zxAnRuSwUpdatingTaskServiceType	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.4		Remote service type: GPON, EPON……
zxAnRuSwUpdatingTaskVendor	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.5		CPE vendor information
zxAnRuSwUpdatingTaskEquipType	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.6		Remote update device type
zxAnRuSwUpdatingTaskCrtrnType	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.7		Update Crtrn type
zxAnRuSwUpdatingTaskCrtrnVer	. 1.3.6.1.4.1.3902.1082.20.40.2.2.1.8		Compare with the remote update version. The maximum

MIB Variable	OID	MIB Value	Description
			EPON byte is 16 and GPON byte is 14.
zxAnRuSwUpdatingTaskOperObjType	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.9		Task operation object type
zxAnRuSwUpdatingTaskOperObjList	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.10		Remote operation object list
zxAnRuSwUpdatingTaskAction	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.11		Task strategy
zxAnRuSwUpdatingTaskFileName	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.12		Name of the version to be updated
zxAnRuSwUpdatingTaskStatus	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.14		Current task status
zxAnRuSwUpdatingTaskRuAction	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.15		Software version remote update strategy
zxAnRuSwUpdatingTaskRowStatus	.1.3.6.1.4.1.3902.1082.20.40.2.2.1.50		Update task row status
zxAnRuSwTaskStatsSuccesses	.1.3.6.1.4.1.3902.1082.20.40.2.3.1.1		Successfully updated part
zxAnRuSwTaskStatsFailures	.1.3.6.1.4.1.3902.1082.20.40.2.3.1.2		Remote update failure part
zxAnRuSwTaskStatsUpdatings	.1.3.6.1.4.1.3902.1082.20.40.2.3.1.3		Number of running remote part
zxAnRuSwUpdateStatusServiceType	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.6		Remote part type
zxAnRuSwUpdateStatusEquipType	.1.3.6.1.4.1.3902.1082.2		Remote update device type

MIB Variable	OID	MIB Value	Description
	0.40.2.4.1.7		
zxAnRuSwUpdateStatus FileName	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.8		Update status file name
zxAnRuSwUpdateStatus Result	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.9		Version update result
zxAnRuSwUpdateStatus FailReason	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.10		Version update failure reason
zxAnRuSwUpdateStatus Progress	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.11		Version update percentage
zxAnRuSwUpdateStatus Source	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.12		Version update mode
zxAnRuSwUpdateStatus TaskName	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.13		Update task name
zxAnRuSwUpdateStatus ModifyTime	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.14		Ultimate modification time
zxAnRuSwUpda teStatusCurrVer sion	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.15		Current software version attribute
zxAnRuSwUpdateStatus LastVersion	.1.3.6.1.4.1.3902.1082.20.40.2.4.1.16		Early software version attribute
zxAnRuSwImageVersion	.1.3.6.1.4.1.3902.1082.20.40.2.5.1.2		Software version attribute
zxAnRuSwImageStatus	.1.3.6.1.4.1.3902.1082.20.40.2.5.1.3		Image status

[MIB file]:

ZTE-AN-REMOTE-UNIT-CHANNEL-MIB.mib

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnRuChannelTcpPortAutoAllocEn	.1.3.6.1.4.1.3902.1082.20.41.2.2.1.1		
zxAnRuChannelTcpPortNo	.1.3.6.1.4.1.3902.1082.20.41.2.2.2.1.2		
zxAnRuChannelTcpPortRowStatus	.1.3.6.1.4.1.3902.1082.20.41.2.2.2.1.50		

3.13.2 Dynamic Patch

[MIB file]:

ZTE-AN-SOFTWARE-MIB.mib

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnSwSavedPatchTable	.1.3.6.1.4.1.3902.1082.20.30.2.5.2		This table includes the saved patch information.
zxAnSwSavedPatchEntry	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1		An entry in zxAnSwSavedPatchTable.
zxAnSwPatchRack	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.1		The rack number.
zxAnSwPatchShelf	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.2		The shelf number.
zxAnSwPatchSlot	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.3		The slot number.
zxAnSwPatchName	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.4		The patch file name.
zxAnSwPatchOwnerSwVersion	.1.3.6.1.4.1.3902.1082.20.		The software version of the

MIB Variable	OID	MIB Value	Description
	30.2.5.2.1.5		patch belonging to.
zxAnSwPatchVersion	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.6		The version tag of the patch.
zxAnSwPatchSize	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.7		The patch file length.
zxAnSwPatchBuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.8		The time of patch build. For example: yyyy-mm-dd HH:MM:SS.(2001-01-01 02:22:33).
zxAnSwPatchConfActiveStatus	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.9		The configured active status of the patch file. activated -- to activate the patch file. deactivated -- to deactivate the patch file.
zxAnSwPatchDescription	.1.3.6.1.4.1.3902.1082.20.30.2.5.2.1.10		The patch description.

MIB Variable	OID	MIB Value	Description
zxAnSwCardRunningPatchTable	.1.3.6.1.4.1.3902.1082.20.30.2.5.3		This table includes the card running patch information.
zxAnSwCardRunningPatchEntry	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1		An entry in zxAnSwCardRunningPatchTable.
zxAnSwCardPatchName	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.1		The patch file name of the card.
zxAnSwCardPatchOwnerSwVersion	.1.3.6.1.4.1.3902.1082.		The software version of the

MIB Variable	OID	MIB Value	Description
	20.30.2.5.3.1.2		patch belonging to.
zxAnSwCardPatchVersion	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.3		The version tag of the patch.
zxAnSwCardPatchSize	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.4		The patch file length.
zxAnSwCardPatchBuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.5		The time of patch build. For example: yyyy-mm-dd HH:MM:SS.(2001-01-01 02:22:33).
zxAnSwCardPatchActivatedTime	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.6		The time of the patch activated. For example: yyyy-mm-dd HH:MM:SS.(2001-01-01 02:22:33).
zxAnSwCardPatchDescription	.1.3.6.1.4.1.3902.1082.20.30.2.5.3.1.7		The patch description.

MIB Variable	OID	MIB Value	Description
zxAnSwSubcardRunningPatchTable	.1.3.6.1.4.1.3902.1082.20.30.2.5.4		This table includes the subcard patch information.
zxAnSwSubcardRunningPatchEntry	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1		An entry in zxAnSwSubcardRunningPatchTable.
zxAnSwPatchSubcardSlot	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.1		The slot number of the subcard.
zxAnSwSubcardPatchName	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.2		The file name of the patch
zxAnSwSubcardP	.		The software

MIB Variable	OID	MIB Value	Description
atchOwnerSwVersion	1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.3		version of the patch belonging to.
zxAnSwSubcardPatchVersion	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.4		The version tag of the patch.
zxAnSwSubcardPatchSize	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.5		The patch file length.
zxAnSwSubcardPatchBuildTime	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.6		The time of patch build. For example: yyyy-mm-dd HH:MM:SS.(2001-01-01 02:22:33).
zxAnSwSubcardPatchActivatedTime	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.7		The time of the patch activated. For example: yyyy-mm-dd HH:MM:SS.(2001-01-01 02:22:33).
zxAnSwSubcardPatchDescription	.1.3.6.1.4.1.3902.1082.20.30.2.5.4.1.8		The patch Description.

4 Basic Services

4.1 VLAN

4.1.1 Switchport Configuration

[MIB file]:

ZTE-AN-VLAN-MIB.mib

{"zxAnVlanIfConfVlanCmdTable" ,   "1.3.6.1.4.1.3902.1082.40.50.2.1.5"} ,

{"zxAnVlanIfConfVlanCmdEntry" ,   "1.3.6.1.4.1.3902.1082.40.50.2.1.5.1"} ,

{"zxAnVlanIfConfVlanCmd"   , "1.3.6.1.4.1.3902.1082.40.50.2.1.5.1.1"} ,

{"zxAnVlanIfConfVlanList"   ,   "1.3.6.1.4.1.3902.1082.40.50.2.1.5.1.2"} ,

4.1.2 Serviceport Configuration

[MIB file]:

ZTE-AN-SERVICE-PORT-MIB.mib

{"zxAnServicePort"   ,"1.3.6.1.4.1.3902.1082.110.5"} ,

{"zxAnServicePortObjects"   ,   "1.3.6.1.4.1.3902.1082.110.5.2"} ,

{"zxAnServicePortConfTable"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2"} ,

{"zxAnServicePortConfEntry"   ,"1.3.6.1.4.1.3902.1082.110.5.2.2.1"} ,

{"zxAnSrvPortDesc"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.1"},

{"zxAnSrvPortAdminStatus"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.2"},

{"zxAnSrvPortServiceMode"   ,"1.3.6.1.4.1.3902.1082.110.5.2.2.1.4"} ,

{"zxAnSrvPortBrgIfId"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.5"} ,

```
{"zxAnSrvPortOnuSlot"         ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.6"},

{"zxAnSrvPortOnuUni"          ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.7"} ,

{"zxAnSrvPortUserVid"         ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.8"} ,

{"zxAnSrvPortUserSVid"        ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.9"} ,

{"zxAnSrvPortUserCos"         ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.10"} ,

{"zxAnSrvPortUserStagCos"     ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.11"} ,

{"zxAnSrvPortStartUserVid"    ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.12"} ,

{"zxAnSrvPortEndUserVid"      ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.13"} ,

{"zxAnSrvPortUserEthType"     ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.14"} ,

{"zxAnSrvPortUserDefinedEthType" , "1.3.6.1.4.1.3902.1082.110.5.2.2.1.15"} ,

{"zxAnSrvPortAllowedEthType"  ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.16"} ,

{"zxAnSrvPortAllowedUserDefEthType","1.3.6.1.4.1.3902.1082.110.5.2.2.1.17"},
{"zxAnSrvPortCVid"            ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.18"} ,

{"zxAnSrvPortSVid"            ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.19"} ,

{"zxAnSrvPortCtagCos"         ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.20"} ,

{"zxAnSrvPortStagCos"         ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.21"} ,

{"zxAnSrvPortTlsSVid"         ,  " 1.3.6.1.4.1.3902.1082.110.5.2.2.1.22"} ,

{"zxAnSrvPortVlanMerge"       ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.23"} ,

{"zxAnSrvPortMfdfPrf"         ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.24"} ,

{"zxAnSrvPortProfileType"     ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.25"} ,

{"zxAnSrvPortProfileName"     ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.26"} ,

{"zxAnSrvPortIngressTrafficPrf" , "1.3.6.1.4.1.3902.1082.110.5.2.2.1.27"} ,

{"zxAnSrvPortEgressTrafficPrf" , "1.3.6.1.4.1.3902.1082.110.5.2.2.1.28"} ,

{"zxAnSrvPortQueueId"         ,  "1.3.6.1.4.1.3902.1082.110.5.2.2.1.29"} ,
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{"zxAnSrvPortQueueMapPrf"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.30"} ,

{"zxAnSrvPortQueueBlockPrf"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.31"},

{"zxAnSrvPortQueueShapingPrf" ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.32"} ,

{"zxAnSrvPortRowStatus"   ,   "1.3.6.1.4.1.3902.1082.110.5.2.2.1.50"} ,

4.2   Multicast

[MIB file]:

ZTE-AN-IGMP-MIB.mib

4.2.1   Global Management

MIB Variable	OID	MIB Value	Description
zxAnIgmpLogEnable	1.3.6.1.4.1.3902.1082.60.1.1.1	INTEGER [enabled(1), disabled(2)]	The administrative status of IGMP log. Default: disabled

4.2.2   Multicast Protocol Global Data

MIB Variable	OID	MIB Value	Description
zxAnIgmpEnable	1.3.6.1.4.1.3902.1082.60.1.2.1.2.1.1	INTEGER [enabled(1),disabled(2)]	The administrative status of global IGMP service. Default: enabled

4.2.3   Multicast Management Global Data

MIB Variable	OID	MIB Value	Description
zxAnIgmpUserTrackEnable	1.3.6.1.4.1.3902.1082.60.1.2.2.1.2	INTEGER [enabled(1), disabled(2)]	The administrative status of IGMP explicit host tracking. Default: disabled
zxAnIgmpBandwidthCtrlEnable	1.3.6.1.4.1.3902.1082.60.1.2.2.1.3	INTEGER [enabled(1), disabled(2)]	Enable/disable the multicast band-width control. Default: disabled

MIB Variable	OID	MIB Value	Description
zxAnIgmpGroupPrejoinInterval	1.3.6.1.4.1.3902.1082.60.1.2.2.1.4	Integer32 [60-300]	The interval of IGMP requests sent by the multicast group which the prejoin is enabled. (Def:120)
zxAnIgmpSpanVlanEnable	1.3.6.1.4.1.3902.1082.60.1.2.2.1.5	INTEGER [enabled(1), disabled(2)]	Enable/disable the Span-VLAN multicast. Default: disabled

4.2.4 Multicast Protocol Port Management

MIB Variable	OID	MIB Value	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	InterfaceIndex	
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	ZxAnSubIfIndex	Sub-interface index at this interface.
zxAnIgmpIfAdminStatus	1.3.6.1.4.1.3902.1082.60.1.2.1.2.2.1.1	INTEGER [enabled(1), drop(3)]	The administrative status of port's IGMP service. Default: enabled
zxAnIgmpIfProtoVersion	1.3.6.1.4.1.3902.1082.60.1.2.1.2.2.1.2	INTEGER [igmpv1(1),igmpv2(2),igmpv3(3)]	The max version of IGMP protocol which is supported on this port. Default: igmpv3
zxAnIgmpIfFastLeaveEnable	1.3.6.1.4.1.3902.1082.60.1.2.1.2.2.1.3	INTEGER [enabled(1), disabled(2)]	The administrative status of port's fast-leave property Default: enabled

4.2.5 Multicast Protocol MVLAN Management

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.1	Integer32 [1-4094]	Multicast VLAN ID.
zxAnIgmpMVlanIgmpAdminStatus	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.2	INTEGER	The administrative status of IGMP service in this

MIB Variable	OID	MIB Value	Description
		[enabled(1), drop(3)]	MVLAN. Default: enabled
zxAnIgmpMVlanIgmpV1OperMode	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.3	INTEGER [accept(1), drop(3)]	The operational mode of IGMP v1 packet. Default: accept
zxAnIgmpMVlanIgmpV2OperMode	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.4	INTEGER[accept(1), drop(3)]	The operational mode of IGMP v2 packet. Default: accept
zxAnIgmpMVlanIgmpV3OperMode	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.5	INTEGER [accept(1), drop(3)]	The operational mode of IGMP v3 packet. Default: accept
zxAnIgmpMVlanIgmpWorkMode	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.6	INTEGER [snooping(1),spr(2),proxy(3)]	The IGMP work mode in this MVLAN. Default:proxy
zxAnIgmpMVlanIgmpSsmCtrlMode	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.7	INTEGER [asm(1), ssm(2), AsmAndSsm(3)]	The ASM/SSM service control model. Default: asmAndSsm
zxAnIgmpMVlanIgmpSsmIpAddr	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.8	IpAddress	The SSM IP address in this MVLAN. All SSM(S, G) request must be in the same IP network segment as the

MIB Variable	OID	MIB Value	Description
			configued SSM IP address and netmask. Default : 'E8000000'H
zxAnIgmpMVlanIgmpSsmIpAddrMask	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.9	IpAddress	The mask of SSM IP address in this MVLAN. All SSM(S, G) request must be in the same IP network segment as the configued SSM IP address and netmask. Default: 'FF000000'H

4.2.6   Multicast MVLAN SNOOPING Information

MIB Variable	OID	MIB Value	Description
zxAnIgmpSnoopingMVlanAgingTime	1.3.6.1.4.1.3902.1082.60.1.2.1.3.2.1.1	Integer32 [30-3600]	The timeout period in seconds for aging out multicast group memberships dynamically learned with IGMP. Note that it only takes effect in Snooping mode. Default:300

4.2.7   Multicast MVLAN Proxy Information

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanRobustnessVariable	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.1	Integer32 [1-7]	IGMP robustness variable in the MVLAN. Default:2
zxAnIgmpMVlanHostVersion	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.2	INTEGER auto(1) igmpv2(2) igmpv3(3)	The administrative version of IGMP packet sent on the host interface. Default: auto

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanHostIpAddr	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.3	IpAddress	The source IP address of IGMP packet sent on the host interface. Default: 'C0A8020E'H
zxAnIgmpMVlanUnsolReportInterval	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.4	Integer32 [1-300]	IGMP unsolicited report interval in the MVLAN. Def: 1
zxAnIgmpMVlanHostQuerier	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.5	IpAddress	The IP address of the IGMP Querier attached on the host interface which is learned from received IGMP general query.
zxAnIgmpMVlanHostActualVersion	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.6	INTEGER [igmpv1(1), igmpv2(2), igmpv3(3)]	The running version of IGMP packet sent on the host interface. Def: igmpv3
zxAnIgmpMVlanHostV1QuerierTimer	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.7	TimeTicks	The time remaining until the host assumes that there are no IGMPv1 routers present on the interface. Def: 0
zxAnIgmpMVlanHostV2QuerierTimer	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.8	TimeTicks	The time remaining until the host assumes that there are no IGMPv2 routers present on the interface. Def: 0
zxAnIgmpMVlanRouterIpAddr	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.9	IpAddress	The source IP address of IGMP query packet sent on the router interface. Def: 'C0A8020E'H
zxAnIgmpMVlanQueryInterval	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.10	Integer32 [60-300]	IGMP general query interval in the MVLAN. Def: 125

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanQueryRespInterval	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.11	Integer32 [10-250]	IGMP query max response time in the MVLAN. Def:100
zxAnIgmpMVlanLastMemberQryIntvl	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.12	Integer32 [1-255]	IGMP last member query interval in the MVLAN. Def:10
zxAnIgmpMVlanLastMemberQryCount	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.13	Integer32 [2-5]	IGMP last member query count in the MVLAN. Def: 2
zxAnIgmpMVlanStartUpQryInterval	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.14	Integer32 [1-100]	IGMP startup query interval in the MVLAN. When system is start up or port is up. Def:30
zxAnIgmpMVlanStartUpQryCount	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.15	Integer32 [0-10]	IGMP startup query count in the MVLAN. Def:2
zxAnIgmpMVlanIgmpPacketPriority	1.3.6.1.4.1.3902.1082.60.1.2.1.4.2.1.16	Integer32 [0-7]	802.1p priority of IGMP packet sent by the device.Note that it only takes effect in proxy and SPR mode. Def:0

4.2.8 Multicast Management MVLAN Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanGroupFilterEnable	1.3.6.1.4.1.3902.1082.60.1.2.2.2.1.1	INTEGER [enabled(1), disabled(2)]	The administrative status of group filter in the MVLAN. Def:2
zxAnIgmpMVlanRowStatus	1.3.6.1.4.1.3902.1082.60.1.2.2.2.1.50	RowStatus	

4.2.9 Multicast Management Receiving Port List

MIB Variable	OID	MIB Value	Description
zxAnIgmpMgmtMVlanRecvIfRowStatus	1.3.6.1.4.1.3902.1082.60.1.2.2.3.1.50	RowStatus	

4.2.10 Multicast Management Source Port List

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanSrcIfRowStatus	1.3.6.1.4.1.3902.1082.60.1.2.2.4.1.50	RowStatus	

4.2.11 Multicast MVLAN Receiving Port List

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.1	Integer32 [1-4094]	Multicast VLAN ID.
zxAnIgmpMVlanPortListShelf	1.3.6.1.4.1.3902.1082.60.1.2.2.5.1.1	Integer32	The shelf that contains the receive port list.
zxAnIgmpMVlanPortListSlot	1.3.6.1.4.1.3902.1082.60.1.2.2.5.1.2	Integer32	The slot that contains the receive port list.
zxAnIgmpMVlanRecvPortList	1.3.6.1.4.1.3902.1082.60.1.2.2.5.1.3	ZxAnPortList	The receive port list in the MVLAN.

4.2.12 Multicast Group Filter Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.1082.60.1.2.1.2.3.1.1	Integer32 [1-4094]	Multicast VLAN ID.
zxAnIgmpGroupFilterStartGrpIp	1.3.6.1.4.1.3902.1082.60.1.2.2.6.1.1	IpAddress	Start group ip address of a group segment.
zxAnIgmpGroupFilterEndGrpIp	1.3.6.1.4.1.3902.1082.60.1.2.2.6.1.2	IpAddress	End group ip address of a group segment.
zxAnIgmpGroupFilterRowStatus	1.3.6.1.4.1.3902.1082.60.1.2.2.6.1.50	RowStatus	

4.2.13 Multicast Group Static Port List

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.10 82.60.1.2.1.2.3.1.1	Integer32	Multicast VLAN ID. [1-4094]
zxAnIgmpGroupIpAddr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.1	IpAddress	Multicast group IP Address.
zxAnIgmpSourceIpAddr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.2	IpAddress	Multicast source IP Address.
ifIndex	1.3.6.1.2.1.2.2.1.1	InterfaceIndex	
zxAnSubIfIndex	1.3.6.1.4.1.3902.10 82.30.5.5.1.1.2	ZxAnSubIfIndex	
zxAnIgmpGroupStaticIfRowStatus	1.3.6.1.4.1.3902.10 82.60.1.2.2.7.1.50	RowStatus	

4.2.14 Multicast Management Source Filter Mode Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.10 82.60.1.2.1.2.3.1.1	Integer32	Multicast VLAN ID. [1-4094]
zxAnIgmpGroupIpAddr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.1	IpAddress	Multicast group IP Address.
zxAnIgmpSourceIpAddr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.2	IpAddress	Multicast source IP Address.
zxAnIgmpGroupSrcFilterMode	1.3.6.1.4.1.3902.10 82.60.1.2.2.8.1.1	INTEGER [include (1) , exclude (2)]	IGMPv3 source filter mode of the group.

4.2.15 Multicast Group Forwarding Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.1082.6 0.1.2.1.2.3.1.1	Integer32 [1-4094]	Multicast VLAN ID.
zxAnIgmpGroupIpAddr	1.3.6.1.4.1.3902.1082.6 0.1.2.2.9.1.1	IpAddress	Multicast group IP Address.
zxAnIgmpSourceIpAddr	1.3.6.1.4.1.3902.1082.6 0.1.2.2.9.1.2	IpAddress	Multicast source IP Address.
zxAnIgmpShelf	1.3.6.1.4.1.3902.1082.6	Integer32	The shelf that

MIB Variable	OID	MIB Value	Description
	0.1.2.2.9.1.3		contains the port list.
zxAnIgmpSlot	1.3.6.1.4.1.3902.1082.6 0.1.2.2.9.1.4	Integer32	The slot that contains the port list.
zxAnIgmpGroup ForwardingPortLi st	1.3.6.1.4.1.3902.1082.6 0.1.2.2.9.1.6	ZxAnPortLi st	The forwarding port list on a line card. In GPON, the forwarding port is PON interface.

4.2.16   Multicast Group User Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.10 82.60.1.2.1.2.3.1.1	Integer32 [1-4094]	Multicast VLAN ID.
zxAnIgmpGroupIpA ddr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.1	IpAddress	Multicast group IP Address.
ifIndex	1.3.6.1.2.1.2.2.1.1	InterfaceInd ex	
zxAnSubIfIndex	1.3.6.1.4.1.3902.10 82.30.5.5.1.1.2	ZxAnSubIfIn dex	
zxAnIgmpSourceIp Addr	1.3.6.1.4.1.3902.10 82.60.1.2.2.9.1.2	IpAddress	Multicast source IP Address.
zxAnIgmpUserMac Addr	1.3.6.1.4.1.3902.10 82.60.1.2.2.10.1.1	MacAddres s	The user MAC address which is tracked from the IGMP request packets sent by user device. Note that
zxAnIgmpUserIpAd dr	1.3.6.1.4.1.3902.10 82.60.1.2.2.10.1.2	Integer32	The slot that contains the port list.
zxAnIgmpGrpUserS rcFilterMode	1.3.6.1.4.1.3902.10 82.60.1.2.2.10.1.3	INTEGER [include (1) , exclude (2)]	IGMPv3 source filter mode of the group user

4.2.17 Multicast Group Prejoin Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.108 2.60.1.2.1.2.3.1.1	Integer32	Multicast VLAN ID. [1-4094]
zxAnIgmpGroupIpAd dr	1.3.6.1.4.1.3902.108 2.60.1.2.2.9.1.1	IpAddress	Multicast group IP Address.
zxAnIgmpSourceIpA ddr	1.3.6.1.4.1.3902.108 2.60.1.2.2.9.1.2	IpAddress	Multicast source IP Address.
zxAnIgmpGroupPrej oinRowStatus	1.3.6.1.4.1.3902.108 2.60.1.2.2.11.1.50	RowStatu s	

4.2.18 Multicast Group Configuration Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVid	1.3.6.1.4.1.3902.108 2.60.1.2.1.2.3.1.1	Integer3 2	Multicast VLAN ID. [1-4094]
zxAnIgmpGroupIpAd dr	1.3.6.1.4.1.3902.108 2.60.1.2.2.9.1.1	IpAddre ss	Multicast group IP Address.
zxAnIgmpSourceIpA ddr	1.3.6.1.4.1.3902.108 2.60.1.2.2.9.1.2	IpAddre ss	Multicast source IP Address.
zxAnIgmpGroupBan dwidth	1.3.6.1.4.1.3902.108 2.60.1.2.2.12.1.1	Integer3 2	Multicast group bandwidth. [100-65535] Def:2048
zxAnIgmpGroupConf RowStatus	1.3.6.1.4.1.3902.108 2.60.1.2.2.12.1.50	RowStat us	

4.2.19 Multicast Packet Statistics Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpPktStatsRxC ommQry	1.3.6.1.4.1.3902.1 082.60.1.2.50.2.1. 1	Counter 32	The counter of IGMP general query message received.
zxAnIgmpPktStatsRxS pecialQry	1.3.6.1.4.1.3902.1 082.60.1.2.50.2.1. 2	Counter 32	The counter of IGMP special query message received.
zxAnIgmpPktStatsRxV 1Report	1.3.6.1.4.1.3902.1 082.60.1.2.50.2.1. 3	Counter 32	The counter of IGMP v1 report message received.

MIB Variable	OID	MIB Value	Description
zxAnIgmpPktStatsRxV2Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.4	Counter 32	The counter of IGMP v2 report message received.
zxAnIgmpPktStatsRxV3Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.5	Counter 32	The counter of IGMP v3 report message received.
zxAnIgmpPktStatsRxLeave	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.6	Counter 32	The counter of IGMP leave message received.
zxAnIgmpPktStatsRxError	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.7	Counter 32	The counter of IGMP error message received.
zxAnIgmpPktStatsRxUnknown	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.8	Counter 32	The counter of IGMP unknown message received.
zxAnIgmpPktStatsTxCommQry	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.9	Counter 32	The counter of IGMP general query message transmitted.
zxAnIgmpPktStatsTxSpecialQry	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.10	Counter 32	The counter of IGMP special query message transmitted.
zxAnIgmpPktStatsTxV1Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.11	Counter 32	The counter of IGMP v1 report message transmitted.
zxAnIgmpPktStatsTxV2Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.12	Counter 32	The counter of IGMP v2 report message transmitted.
zxAnIgmpPktStatsTxV3Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.13	Counter 32	The counter of IGMP v3 report message transmitted.
zxAnIgmpPktStatsTxLeave	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.14	Counter 32	The counter of IGMP leave message transmitted.
zxAnIgmpPktStatsDropRxCommQry	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.15	Counter 32	The counter of IGMP general query message dropped.
zxAnIgmpPktStatsDropRxSpeQry	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.	Counter 32	The counter of IGMP special query message

MIB Variable	OID	MIB Value	Description
	16		dropped.
zxAnIgmpPktStatsDropRxV1Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.17	Counter32	The counter of IGMP v1 report message dropped.
zxAnIgmpPktStatsDropRxV2Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.18	Counter32	The counter of IGMP v2 report message dropped.
zxAnIgmpPktStatsDropRxV3Report	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.19	Counter32	The counter of IGMP v3 report message dropped.
zxAnIgmpPktStatsDropRxLeave	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.20	Counter32	The counter of IGMP leave message dropped.
zxAnIgmpPktStatsDropRxUnknown	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.21	Counter32	The counter of IGMP unknown message dropped.
zxAnIgmpPktStatsJoinSuccess	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.22	Counter32	The counter of successful IGMP joins.
zxAnIgmpPktStatsJoinFailure	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.23	Counter32	The counter of failure IGMP joins.
zxAnIgmpPktStatsReset	1.3.6.1.4.1.3902.1082.60.1.2.50.2.1.100	Integer32	The action object to reset the statistics values. When reset the statistics, it must be set to '1'. When be queried, it always returns '0'.

4.2.20 Multicast Port Statistics Table

MIB Variable	OID	MIB Value	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	InterfaceIndex	
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	ZxAnSubIfIndex	

MIB Variable	OID	MIB Value	Description
zxAnIgmpIfCurrActGroups	1.3.6.1.4.1.3902. 1082.60.1.2.50.3. 1.1	Gauge32	The active multicast group number on this interface.

4.2.21 Multicast MVLAN Statistics Table

MIB Variable	OID	MIB Value	Description
zxAnIgmpMVlanCurrActGroups	1.3.6.1.4.1.3902. 1082.60.1.2.50.4. 1.1	Gauge32	The active multicast group number in the MVLAN.

4.3 Port Positioning

[MIB file]:

ZTE-AN-PORT-IDENTIFICATION-MIB.mib

ZTE-AN-PORT-IDENTIFICATION-PROFILE-MIB.mib

ZTE-AN-DHCP-L2-RELAY-AGENT-MIB.mib

ZTE-AN-NDP-LIO-MIB.mib

ZTE-AN-PPPOE-INTERMEDIATE-AGENT-MIB.mib

ZTE-AN-PORT-IDENTIFICATION-PROFILE-MIB.mib

4.3.1 DHCP Option82 Global Swtich

[Function description]:

This MIB enables and disables the DHCP Option82 packet extraction function. If it is disabled, the driver will not extract DHCP Option82 packets. If it is enabled, the driver will extract DHCP Option82 packets.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV4L2RA Enable	1.3.6.1.4.1.3902.1082.70.60.2.1.1.1	INTEGER {enable (1) , disable (2)}	Default value: 2

4.3.2 DHCP Option82 Port Switch

[Function description]:

This MIB enables and disables the DHCP Option82 port swtich. When the swtich is disabled, the port will not process the port positioning information contained in DHCP Option82 packets. When the swtich is enabled, the port will process the port positioning information contained in DHCP Option82 packets.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV4L2RAIfConfEnable	1.3.6.1.4.1.3902.1082.70.60.2.1.3.1.1	INTEGER {enable (1) , disable (2) }	Default value: 2

4.3.3 DHCP Option82 Port Trust Rule

[Function description]:

This MIB defines the port trust status. "True" indicates that the port positioning information contained in the upstream packets is trusted. "False" indicates that the port positioning information contained in the upstream packets is not trusted.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV4L2RAIfC	1.3.6.1.4.1.3902.1082.70.	INTEGER	Default

MIB Variable	OID	MIB Value	Description
onfTrust	60.2.1.3.1.2	{true (1) , false (2) }	value: 2

4.3.4 DHCP Option82 Port Trust Measure

[Function description]:

This MIB defines the DHCP Option82 port trust measures. When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV4L2RAIfConfPolicy	1.3.6.1.4.1.3902.1082.70.60.2.1.3.1.3	INTEGER { keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.5 DHCP Option18 Global Swtich

[Function description]:

This MIB enables and disables global DHCPv6-option18 packet extraction function. When it is disabled, the driver will not extract DHCPv6-option18 packets. When it is enabled, the driver will extract DHCPv6-option18 packets.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV6L2R	1.3.6.1.4.1.3902.10	INTEGER { enable	Default value: 2

AEnable	82.70.60.2.2.1.1	(1) , disable (2) }	

4.3.6 DHCP Option18 Port Switch

[Function description]:

This MIB enables and disables the DHCPv6 port switch. When it is disabled, the port will not process the port positioning information in the DHCPv6 packets. When it is enabled, the port will process the port positioning information in the DHCPv6 packets.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV6L2RAIf ConfEnable	1.3.6.1.4.1.3902.10 82.70.60.2.2.3.1.1	INTEGER { enable (1) , disable (2) }	Default value: 2

4.3.7 DHCP Option18 Port Trust Status

[Function description]:

This MIB defines the port trust status. "True" indicates that the port positioning information contained in the upstream packets is trusted. "False" indicates that the port positioning information contained in the upstream packets is not trusted.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV6L2R AIfConfTrust	1.3.6.1.4.1.3902.10 82.70.60.2.2.3.1.2	INTEGER {true (1) , false (2) }	Default value: 2

4.3.8 DHCP Option18 Port Trust Measure

[Function description]:

This MIB defines the DHCP Option18 port trust measures. When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

Platform composite index type 4.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpV6L2RAIfConfPolicy	1.3.6.1.4.1.3902.1082.70.60.2.2.3.1.3	INTEGER { keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.9 PPPoE Global Switch

[Function description]:

This MIB enables and disables the global PPPoE packet extraction function. If it is disabled, the driver will not extract PPPoE packets. If it is enabled, the driver will extract PPPoE packets.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPppoeIAEnable	1.3.6.1.4.1.3902.1082.70.55.1.1	INTEGER { enable (1) , disable (2) }	Default value: 2

4.3.10 PPPoE Port Swtich

[Function description]:

This MIB enables and disables the PPPoE port swtich. When the switch is disabled, the port will not process the port positioning information contained in PPPoE packets. When the switch is enabled, the port will process the port positioning information contained in PPPoE packets.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPppoeIAIfConfEnable	1.3.6.1.4.1.3902.1082.70.55.2.2.1.1	INTEGER {enable (1), disable (2) }	Default value: 2

4.3.11   PPPoE Port Trust Status

[Function description]:

This MIB defines the PPPoE port trust status. "True" indicates that the port positioning information contained in the upstream packets is trusted. "False" indicates that the port positioning information contained in the upstream packets is not trusted.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPppoeIAIfConfTrust	1.3.6.1.4.1.3902.1082.70.55.2.2.1.2	INTEGER { true (1) , false (2) }	Default value: 2

4.3.12   PPPoE Port Trust Measure

[Function description]:

This MIB defines the PPPoE port trust measures. When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is

"False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPppoeIAIfConfPolicy	1.3.6.1.4.1.3902.1082.70.55.2.2.1.3	INTEGER {keep (1), replace (2) , discard (3) , add (4) }	Default value: 4

4.3.13   ND Global Switch

[Function description]:

This MIB enables and disables the global ND packet extraction switch. When the switch is disabled, the driver will not extract ND packets. When the switch is enabled, the driver will extract ND packets.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnNdpLioEnable	1.3.6.1.4.1.3902.1082.70.65.1.1	INTEGER { enable (1) , disable (2) }	Default value: 2

4.3.14   ND Port Switch

[Function description]:

This MIB enables and disables the ND port switch. When the switch is disabled, the port will not process the port positioning information in ND packets. When the switch is enabled, the port will process the port positioning information in ND packets.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnNdpLioIfConfEnable	1.3.6.1.4.1.3902.1082.70.65.2.2.1.1	INTEGER {enable(1) , disable(2) }	Default value: 2

4.3.15 ND Port Trust Status

[Function description]:

This MIB defines the ND port trust status. "True" indicates that the port positioning information contained in the upstream packets is trusted. "False" indicates that the port positioning information contained in the upstream packets is not trusted.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnNdpLioIfConfTrust	1.3.6.1.4.1.3902.1082.70.65.2.2.1.2	INTEGER {true(1),false(2) }	Default value: 2

4.3.16 ND Port Trust Measure

[Function description]:

This MIB defines the ND port trust measures. When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnNdpLioIfConfPolicy	1.3.6.1.4.1.3902.1082.70.65.2.2.1.3	INTEGER {keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.17   NE Access Identifier Configuration

[Function description]:

This MIB configures the NE access type. When the NE access type is inband Mac, the NE access identifier uses the NE inband MAC address. When the NE access type is accessNodeName, the NE access identifier uses the custom string.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdAccessNodeIdType	1.3.6.1.4.1.3902.1082.70.50.1.2	INTEGER { inbandMac(1),accessNodeName(2)}	Default value: 1

4.3.18   User-Defined NE Access Identifier Configuration

[Function description]:

This MIB defines string-type access identifier for an NE.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdAccessNodeName	1.3.6.1.4.1.3902.1082.70.50.1.1	DisplayString (SIZE(0.. 50))	

4.3.19   NE Rack ID Configuration

[Function description]:

This MIB configures the NE rack ID in the port positioning information.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdRack	1.3.6.1.4.1.3902.1082.70.50.1.4	INTEGER{0……63}	

4.3.20   NE Shelf ID Configuration

[Function description]:

This MIB configures the NE shelf ID in the port positioning information.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdShelf	1.3.6.1.4.1.3902.1082.70.50.1.5	INTEGER{0……31}	

4.3.21   DHCP Option82 Port Rate Configuration

[Function description]:

This MIB configures the DHCP Option82 port rate from subopt81 to subopt8e.

subopt81 Actual upstream rate

subopt82 Actual downstream rate

subopt83 Minimum upstream rate

subopt84 Minimum downstream rate

subopt85 Attainable upstream rate

subopt86 Attainable downstream rate

subopt87 Maximum upstream rate

subopt88 Maximum downstream rate

subopt89 Minimum upstream rate in low power consumption mode

subopt8a Minimum downstream rate in low power consumption mode

subopt8b Maximum interleaving upstream delay

subopt8c　　Actual interleaving upstream delay

subopt8d Maximum interleaving downstream delay

subopt8e Actual interleaving downstream delay

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdDhcpV4 AccessLoopChar	1.3.6.1.4.1.3902.10 82.70.50.1.6	BITS {suboption81(0), suboption82(1), suboption83(2), suboption84(3), suboption85(4), suboption86(5), suboption87(6), suboption88(7), suboption89(8), suboption8A(9), suboption8B(10),	

		suboption8C(11),	
		suboption8D(12),	
		suboption8E(13) }	

4.3.22 PPPoE Port Rate Configuration

[Function description]:

This MIB configures the DHCP Option82 port rate from subopt81 to subopt8e.

subopt81 Actual upstream rate

subopt82 Actual downstream rate

subopt83 Minimum upstream rate

subopt84 Minimum downstream rate

subopt85 Attainable upstream rate

subopt86 Attainable downstream rate

subopt87 Maximum upstream rate

subopt88 Maximum downstream rate

subopt89 Minimum upstream rate in low power consumption mode

subopt8a Minimum downstream rate in low power comsumption mode

subopt8b Maximum interleaving upstream delay

subopt8c   Actual interleaving upstream delay

subopt8d Maximum interleaving downstream delay

subopt8e Actual interleaving downstream delay

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdPppoeA	1.3.6.1.4.1.3902.1082.7	BITS	

MIB Variable	OID	MIB Value	Description
ccessLoopChar	0.50.1.7	{suboption81(0), suboption82(1), suboption83(2), suboption84(3), suboption85(4), suboption86(5), suboption87(6), suboption88(7), suboption89(8), suboption8A(9), suboption8B(10), suboption8C(11), suboption8D(12), suboption8E(13) }	

4.3.23 Port Positioning Format Configuration

[Function description]:

This MIB configures the port positioning format.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfFormat	1.3.6.1.4.1.3902.1082.70.50.2.1.1.1	INTEGER {chinaTel(1),dslForum(2), chinaNet(3),flexibleSyntax(8)}	

4.3.24 Port Positioning Format Profile Configuration

[Function description]:

This MIB configures the port positioning format profile.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfFormatProfile	1.3.6.1.4.1.3902.1082.70.50.2.1.1.6	DisplayString (SIZE (1 .. 32))	

4.3.25 Port Positioning access-loop-tag Switch

[Function description]:

This MIB enables and disables the acess-loop-tag switch in the port positioning information. When the switch is disabled, the port link rate information cannot be addeded in the packets. When the switch id enabled, the port link rate information can be added in the packets.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfAlcEnable	1.3.6.1.4.1.3902.1082.70.50.2.1.1.8	INTEGER { enable (1) , disable (2) }	

4.3.26 Port Positioning Remote ID Switch

[Function description]:

This MIB enables and disables the port positioning RID switch. When the switch is diabled, the RID cannot be inserted in the packets. When the switch is enabled, the RID can be inserted in the packets. While, when the RID protocol switch is disabled, the RID cannot be added in the RID protocol but in other protocols.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfRidEnable	1.3.6.1.4.1.3902.1082.70.50.2.1.1.2	INTEGER { enable (1) , disable (2) }	

4.3.27 Port Positioning Remote ID Protocol Swtich

[Function description]:

This MIB enables and disables the RID protocol switch. When the RID is disabled, the RID cannot be cannot be inserted in the packets. When the RID is enabled and the corresponding protocol switch is enabled, the RID can be inserted in the packets. While, when the corresponding protocol switch is disabled, the RID cannot be inserted in the protocol.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfRidProtocol	1.3.6.1.4.1.3902.1082.70.50.2.1.1.4	BITS {pppoe(0), dhcpv4(1), dhcpv6(2)}	

4.3.28 Port Positioning RemotID Content

[Function description]:

This MIB defines the port RID composed of one to 64 characters. The priority level of the port RID format profile is higher than the port RID content. If both of them are configured, the port RID format profile can be used as the RID content.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfRid	1.3.6.1.4.1.3902.108 2.70.50.2.1.1.3	DisplayString (SIZE (0 .. 64))	

4.3.29 Port Positioning RemotID Format Profile

[Function description]:

This MIB configures the specific RID content. Each RID corresponds to one format profile and the priority level of the port RID format profile is higher than the port RID content. If both of them are configured, the port RID format profile can be used as the RID content.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfConfRidFormatProfile	1.3.6.1.4.1.3902.1082.70.50.2.1.1.7	DisplayString (SIZE (0 .. 32))	

4.3.30 Port Positioning Mode Configuration

[Function description]:

This MIB configures whether to use operator's mode or common mode for port positioning. By default, the port positioning mode is common mode.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdSystemConfMode	1.3.6.1.4.1.3902.1082.70.67.1.1	INTEGER { 1: normal(1) 2: profile(2)}	

4.3.31 Operator Profile Global Application

[Function description]:

This MIB configures the global application of the opeator's profile.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdGlobalOperat orPrf	1.3.6.1.4.1.3902.10 82.70.67.1.2	DisplayString (SIZE (0 .. 32))	

4.3.32 Format Profile Configuration

[Function description]:

This MIB views, creates, or deletes a format profile, which is a configuration profile used for configuring the port positioning information.

[Index description]:

It is a custom index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdFormatPrfNam e	1.3.6.1.4.1.3902.10 82.70.67.2.2.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdFormatPrfRow Status	1.3.6.1.4.1.3902.10 82.70.67.2.2.1.50	RowStatus	

4.3.33 Format Profile Content Configuration

[Function description]:

This MIB configures the format profile contents. It adds separator, variable, and character string. The component type is determined by "zxAnPortIdCidComponentType", among which, "standardVar" and "extendedVar" are variables. "zxAnPortIdCidComponentId" defines the variable type. "separator" is the separator and can only be added with spaces. "userDefinedString" is character string.

The variables corresponding to zxAnPortIdCidComponentId are as follows:

access-mode   User access mode

access-node-id   User identifier. It can be the inband MAC or a self-defined by the user.

access-node-Type User access mode

chassis   Value: 0

cvlan   User access internal VLAN

ethernet-priority   User access link priority level

frame   User access physical frame ID

gem-port   User access PON port in GPON access mode

loid   Identifier sent by the ONU

loidpw   Identifier sent by the ONU

onu-id   ONU ID in PON access mode

onu-info   ONU configuration information in PON access mode

onu-number   ONU ID in PON access mode

port   User access port ID

q-vid   VLAN before conversion in user access

rack   User access rack ID

slot   User access slot ID

sn   ONU SN value in PON access mode

sub-slot   Value: 0

svlan   User access external vlan

vci   Link VCI in ATM access mode

vpi   Link VPI in ATM access mode

vport	Link VPORT in PON access mode	
xci	For ATM access mode, it is VCI; For ETH access mode, it is 0.	
xpi	For ATM access mode, it is VPI; For ETH access mode, it is 0.	

[Index description]:

This index includes zxAnPortIdFormatPrfName and zxAnPortIdCidComponentIndex. There is no empty component between the componenets.

User-Defined two-level index.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdCidComponentIndex	1.3.6.1.4.1.3902.1082.70.67.2.3.1.1	INTEGER { 1……30}	
zxAnPortIdCidComponentType	1.3.6.1.4.1.3902.1082.70.67.2.3.1.2	INTEGER {1: standardVar(1) 2: extendedVar(2) 3: separator(3) 4: userDefinedString(4)}	
zxAnPortIdCidComponentId	1.3.6.1.4.1.3902.1082.70.67.2.3.1.3	INTEGER { access-mode(21) access-node-id(1) access-node-type(22) chassis(2) cvlan(14) ethernet-priority(11) frame(4) gem-port(13) loid(17) loidpw(18) onu-id(12) onu-info(20) onu-number(19) port(7) q-vid(10)	

MIB Variable	OID	MIB Value	Description
		rack(3) slot(5) sn(16) sub-slot(6) svlan(15) vci(9) vpi(8) vport(27) xci(24) xpi(23)}	
zxAnPortIdCidComponentWidth	1.3.6.1.4.1.3902.1082.70.67.2.3.1.4	INTEGER { 0……5}	
zxAnPortIdCidComponentString	1.3.6.1.4.1.3902.1082.70.67.2.3.1.5	DisplayString (SIZE (0 .. 50))	
zxAnPortIdCidComponentRowStatus	1.3.6.1.4.1.3902.1082.70.67.2.3.1.50	RowStatus	

4.3.34 Operator Profile Configuration

[Function description]:

This MIB views, creates, or deletes an operator profile.

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.1082.70.67.2.4.1.1	DisplayString (SIZE (1.. 32))	
zxAnPortIdOperPrfRowStatus	1.3.6.1.4.1.3902.1082.70.67.2.4.1.100	RowStatus	

4.3.35 Operator Profile DHCP Option82 Configuration

[Function description]:

Operator profile DHCP Option82 configuration:

DHCP Option82 operator profile switch: It enables and disables the DHCP Option82 of the operator's profile. When the switch is disabled, the port will not process the port positioning information in DHCP Option82 packets. When the switch is enabled, the port will process the port positioning information in DHCP Option82 packets.

When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperDhcpV4L 2RAEnable	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.11	INTEGER {enable (1) , disable (2) }	Default value: 2
zxAnPortIdOperDhcpV4L 2RATrust	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.12	INTEGER { true (1) , false (2) }	Default value: 2
zxAnPortIdOperDhcpV4L 2RAPolicy	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.13	INTEGER { keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.36 Operator Profile DHCP Option18 Configuration

[Function description]:

Operator profile DHCP Option18 configuration:

DHCP Option18 operator profile switch: It enables and disables the DHCP Option18 of the operator's profile. When the switch is disabled, the port will not process the port positioning information in DHCP Option18 packets. When the switch is enabled, the port will process the port positioning information in DHCP Option18 packets.

When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.108 2.70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperDhcpV6L 2RAEnable	1.3.6.1.4.1.3902.108 2.70.67.2.4.1.21	INTEGER { enable (1) , disable (2) }	Default value: 2
zxAnPortIdOperDhcpV6L 2RATrust	1.3.6.1.4.1.3902.108 2.70.67.2.4.1.22	INTEGER { true (1) , false (2) }	Default value: 2
zxAnPortIdOperDhcpV6L 2RAPolicy	1.3.6.1.4.1.3902.108 2.70.67.2.4.1.23	INTEGER { keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.37 Operator Profile PPPoE Configuration

[Function description]:

Operator profile PPPoE configuration:

PPPoE operator profile switch: It enables and disables the PPPoE of the operator's profile. When the switch is disabled, the port will not process the port positioning

information in PPPoE packets. When the switch is enabled, the port will process the port positioning information in PPPoE packets.

When the trust status is "True", the trust measures can be configured as "Keep" or "Replace". When the trust status is "False", the trust measures can be configured as "Discard" or "Add". "Keep" indicates keeping the port positioning information contained in the upstream packets. "Replace" indicates replacing the port positioning information contained in the upstream packets. "Discard" indicates dropping the upstream packets. "Add" indicates adding other port positioning information.

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperPppoeIAEnable	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.31	INTEGER { enable (1) , disable (2) }。。	Default value: 2
zxAnPortIdOperPppoeIATrust	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.32	INTEGER { true (1) , false (2) }	Default value: 2
zxAnPortIdOperPppoeIAPolicy	1.3.6.1.4.1.3902.1082. 70.67.2.4.1.33	INTEGER { keep (1) , replace (2) , discard (3) , add (4) }	Default value: 4

4.3.38 Operator Profile DHCP Option82 Port Rate Configuration

[Function description]:

This MIB configures the DHCP Option82 port rate from subopt81 to subopt8e.

subopt81 Actual upstream rate

subopt82 Actual downstream rate

subopt83 Minimum upstream rate

subopt84 Minimum downstream rate

subopt85 Attainable upstream rate

subopt86 Attainable downstream rate

subopt87 Maximum upstream rate

subopt88 Maximum downstream rate

subopt89 Minimum upstream rate in low power consumption mode

subopt8a Minimum downstream rate in low power comsumption mode

subopt8b Maximum interleaving upstream delay

subopt8c   Actual interleaving upstream delay

subopt8d Maximum interleaving downstream delay

subopt8e Actual interleaving downstream delay

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.1082.70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperDhcpAlcTag	1.3.6.1.4.1.3902.1082.70.67.2.4.1.14	BITS {suboption81(0), suboption82(1), suboption83(2), suboption84(3), suboption85(4), suboption86(5), suboption87(6), suboption88(7), suboption89(8), suboption8A(9), suboption8B(10), suboption8C(11), suboption8D(12), suboption8E(13) }	

4.3.39　Operator Profile PPPoE Port Rate Configuration

[Function description]:

This MIB configures the PPPoE port rate from subopt81 to subopt8e.

subopt81 Actual upstream rate

subopt82 Actual downstream rate

subopt83 Minimum upstream rate

subopt84 Minimum downstream rate

subopt85 Attainable upstream rate

subopt86 Attainable downstream rate

subopt87 Maximum upstream rate

subopt88 Maximum downstream rate

subopt89 Minimum upstream rate in low power consumption mode

subopt8a Minimum downstream rate in low power comsumption mode

subopt8b Maximum interleaving upstream delay

subopt8c　　Actual interleaving upstream delay

subopt8d Maximum interleaving downstream delay

subopt8e Actual interleaving downstream delay

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.10 82.70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperPppoe AlcTag	1.3.6.1.4.1.3902.10 82.70.67.2.4.1.34	BITS {suboption81(0), suboption82(1),	

MIB Variable	OID	MIB Value	Description
		suboption83(2), suboption84(3), suboption85(4), suboption86(5), suboption87(6), suboption88(7), suboption89(8), suboption8A(9), suboption8B(10), suboption8C(11), suboption8D(12), suboption8E(13) }	

4.3.40　Operator Profile Format Configuration

[Function description]:

This MIB configures the format of the operator's profile in different access mode.

zxAnPortIdOperAtmFormatPrf is the format profile in ATM access mode.

zxAnPortIdOperPtmEtherFormatPrf is the format profile in ETH access mode.

zxAnPortIdOperPonFormatPrf is the format profile in PON access mode.

[Index description]:

It is a self-defined index composed of 1 to 32 characters.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPrfName	1.3.6.1.4.1.3902.1082.70.67.2.4.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperAtmFormatPrf	1.3.6.1.4.1.3902.1082.70.67.2.4.1.2	DisplayString (SIZE (1 .. 32))	
zxAnPortIdOperPtmEtherFormatPrf	1.3.6.1.4.1.3902.1082.70.67.2.4.1.3	DisplayString (SIZE (1 .. 32))	

MIB Variable	OID	MIB Value	Description
zxAnPortIdOperPon FormatPrf	1.3.6.1.4.1.3902.1082.7 0.67.2.4.1.4	DisplayString (SIZE (1 .. 32))	

4.3.41   Operator Profile Port Application Configuration

[Function description]:

This MIB applies the operator's profile to a designated port.

[Index description]:

The index includes ifIndex (type 2) and zxAnSubIfIndex (type 2).

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdIfOperPrf	1.3.6.1.4.1.3902.1082.7 0.67.2.6.1.1	DisplayString (SIZE (1 .. 32))	
zxAnPortIdIfOperPrfR owStatus	1.3.6.1.4.1.3902.1082.7 0.67.2.6.1.50	RowStatus	

4.3.42   Operator Profile VLAN Application Mode

[Function description]:

This MIB applies the operator's profile to a designated VLAN.

[Index description]:

The "zxAnPortIdVid" index indicates the VLAN value of the operator's profile.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnPortIdVid	1.3.6.1.4.1.3902.108 2.70.67.2.5.1.1	INTEGER {1……4094}	
zxAnPortIdVlanOperP rf	1.3.6.1.4.1.3902.108 2.70.67.2.5.1.2	DisplayString (SIZE (1 .. 32))	
zxAnPortIdVlanOperP rfRowStatus	1.3.6.1.4.1.3902.108 2.70.67.2.5.1.50	RowStatus	

4.4 DHCP SNOOPING

[MIB file]:

ZTE-AN-DHCP-SNOOPING-MIB.mib

4.4.1 Global Management

[Function description]:

This MIB enables and disables the DHCPv4 global switch.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDhcpSnoopingCapabilities	1.3.6.1.4.1.3902.1082.70.40.1.1	supportIpSrcGuardIpBindingTable(0)	The management capabilities of DHCP snooping. The bit value 1 means the function represented by this bit is supported by this equipment. value 1 means supporting zxAnIpv4SrcGuardIpBindingTable and zxAnIpv6SrcGuardIpBindingTable, zxAnDsDhcpV4StaticIpBindingTable and zxAnDsDhcpV6StaticIpBindingTable was deprecated. NOTE: No recommended to display it in NMS.
zxAnDsDhcpV4GlobalEnable	1.3.6.1.4.1.3902.1082.70.40.2.1.1.1		Enable or disable DHCPv4 snooping.

4.4.2 DHCPv4 VLAN Switch

[Function description]:

This MIB configures DHCPv4 Snooping VLAN switch.

[Index description]:

Vlan ID is the index.

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnDsDhcpV4Vid	1.3.6.1.4.1.3902.1082.70.40.2.1.2.1.1		This object indicates the vlan number on which IPv4 DHCP Snooping feature is configured.
zxAnDsDhcpV4VlanRowStatus	1.3.6.1.4.1.3902.1082.70.40.2.1.2.1.50	RowStatus	

4.4.3   DHCPv4 Interface Swtich

[Function description]:

This MIB configures DHCPv4 Snooping interface switch.

[Index description]:

Composite indx: ifIndex+ zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	. 1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	. 1.3.6.1.4.1.3902.1082.30.5.5.1.1.2		
zxAnDsDhcpV4IfEnable	. 1.3.6.1.4.1.3902.1082.70.40.2.1.3.1.1		This object indicates whether DHCPv4 Snooping is enabled at this interface.If this object is set to 'enabled',

MIB Variable	OID	MIB Value	Description
			DHCPv4 Snooping at this interface is enabled. If this object is set to 'disabled', DHCPv4 Snooping at this interface is disabled.

4.4.4 DHCPv4 Dynamic Binding

[Function description]:

This MIB views or deletes DHCPv4 Snooping dynamic binding items.

[Index description]:

Composite index: ifIndex+ zxAnSubIfIndex+ zxAnDsDhcpV4IpBindingMac+ zxAnDsDhcpV4IpBindingSVid

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2		
zxAnDsDhcpV4IpBindingMac	.1.3.6.1.4.1.3902.1082.70.40.2.1.6.1.1		This object indicates the MAC address of an IPv4 DHCP client host.
zxAnDsDhcpV4IpBindingSVid	.1.3.6.1.4.1.3902.1082.70.40.2.1.6.1.2	1 to 4094	This object indicates the service vlan to which an IPv4 DHCP client host belongs.
zxAnDsDhcpV4IpBindingIpAddress	.1.3.6.1.4.1.3902.1082.7		This object indicates the

MIB Variable	OID	MIB Value	Description
	0.40.2.1.6.1.3		allocated IPv4 address of an IPv4 DHCP client host.
zxAnDsDhcpV4Ip BindingLeasedTi me	. 1.3.6.1.4.1.3902.1082.7 0.40.2.1.6.1.4	The format is 2d-1d-1d,1d:1d:1d. 1d.	This object indicates the leased time of this IPv4 DHCP bindings. 0.
zxAnDsDhcpV4Ip BindingUserVid	. 1.3.6.1.4.1.3902.1082.7 0.40.2.1.6.1.5	1 to 4094	This object indicates the vlan to which an IPv4 DHCP client host belongs.
zxAnDsDhcpV4Ip BindingRowStatu s	. 1.3.6.1.4.1.3902.1082.7 0.40.2.1.6.1.50	RowStatus	

4.4.5   Maximum IPv4 Binding

[Function description]:

This MIB configures the maximum IPv4 items in the port IP source guard.

[Index description]:

Composite index: ifIndex + zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	. 1.3.6.1.4.1.3902.1082.3 0.5.5.1.1.2		
zxAnDsDhcpV4 IfBindingLimit	. 1.3.6.1.4.1.3902.1082.7 0.40.2.1.8.1.1	The total number of DHCPv4 and DHCPv6 bindings can not exceed 8	This object specifies the maximum number of DHCPv4 bindings

MIB Variable	OID	MIB Value	Description
			allowed on this interface.

4.4.6   DHCPv4 Session Limit

[Function description]:

This MIB configures the maximum DHCPv4 Snooping items that can be monitored by an interface.

[Index description]:

Composite index: ifIndex + zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	. 1.3.6.1.4.1.3902.1082.3 0.5.5.1.1.2		
zxAnDsDhcpV4If SessionLimit	. 1.3.6.1.4.1.3902.1082.7 0.40.2.1.9.1.1		This object specifies the maximum number of DHCPv4 bindings allowed on this interface.when the value is 0, that means no limit in the user interface.

4.4.7   DHCPv4 Packet Statistics

[Function description]:

This MIB makes statistics on or resets the DHCPv4 packets on an interface.

[Index description]:

Composite index: fIndex + zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2		
zxAnDsDhcpV4IfStatsDiscoverPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.1		This object indicates the discover number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsOfferPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.2		This object indicates the offer number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsRequestPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.3		This object indicates the request number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsAckPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.4		This object indicates the ack number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsNackPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.5		This object indicates the nack number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsReleasePkts	.1.3.6.1.4.1.3902.1082		This object indicates the release number

MIB Variable	OID	MIB Value	Description
	.70.40.2.1.50.1.6		of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsDeclinePkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.7		This object indicates the decline number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsInformPkts	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.8		This object indicates the inform number of packets subjected to IPv4 DHCP Snooping is received.
zxAnDsDhcpV4IfStatsReset	.1.3.6.1.4.1.3902.1082.70.40.2.1.50.1.100		This object indicates whether IPv4 DHCP statistics is cleared at this interface. If this object is set to 'reset(1)', IPv4 dhcp statistics at this interface will be cleared.

4.4.8   IP Source Guard Global Configuration

[Function description]:

This MIB configures the IP source guard switch and binding type.

[Index description]:

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
zxAnIpsgIpSpoofTrapRptInterval	.1.3.6.1.4.1.3902.1082.70.40.2.3.1.1.6		The interval that the same IP spoofing trap report.
zxAnIpsgIpSpoofingBlockIfEnable	.1.3.6.1.4.1.3902.1082.70.40.2.3.1.1.7		Enable or disable IP source guard blocking port function.
zxAnIpsgIpSpoofingBlockDuration	.1.3.6.1.4.1.3902.1082.70.40.2.3.1.1.8		Indicates the port blocked duration.
zxAnIpSrcGuardEnable	.1.3.6.1.4.1.3902.1082.70.40.2.3.1.21		Enable/disable IP source guard.
zxAnIpSrcGuardBindType	.1.3.6.1.4.1.3902.1082.70.40.2.3.1.22	ip(1) ipAndMac(2)	IP source guard binding Type. ip(1) - IP source guard bind IP address only. ipAndMac(2) - IP source guard bind both IP address and MAC address.

4.4.9   IP Source Guard Interface Switch

[Function description]:

This MIB configures ip source guard interface switch.

[Index description]:

Composite index: ifIndex + zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.		

MIB Variable	OID	MIB Value	Description
	1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2		
zxAnIpSrcGuardIfEnable	.1.3.6.1.4.1.3902.1082.70.40.2.3.2.1.1	1-true,2-false	This object indicates whether IP Source Guard is enabled at this interface. If IP Source Guard at this interface and the VLAN number on which IP Source Guard at this interface are both enabled, Traffic coming to this interface will be forwarded if it is from the list of IP addresses obtained through DHCP Snooping or static configuration. Otherwise, it is denied.

4.4.10   IPv4 Static Binding Table

[Function description]:

This MIB configures IPv4 static binding items.

[Index description]:

Composite index: ifIndex + zxAnSubIfIndex

[MIB variable description]:

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	.1.3.6.1.4.1.3902		

MIB Variable	OID	MIB Value	Description
	.1082.30.5.5.1.1.2		
zxAnIpv4SrcGuardIpBindIpAddress	.1.3.6.1.4.1.3902.1082.70.40.2.3.20.2.1.1		IP address.
zxAnIpv4SrcGuardIpBindMac	.1.3.6.1.4.1.3902.1082.70.40.2.3.20.2.1.2		MAC address.
zxAnIpv4SrcGuardIpBindType	.1.3.6.1.4.1.3902.1082.70.40.2.3.20.2.1.3		IP address binding Type. If zxAnIpv4SrcGuardIpBindType is static(1), this item can't be inactive.
zxAnIpv4SrcGuardIpBindRowStatus	.1.3.6.1.4.1.3902.1082.70.40.2.3.20.2.1.50	RowStatus	

4.5 L3 Interface

4.5.1 VLAN Interface Creation

[MIB file]:

ZTE-AN-L3-IF-MIB.mib

{"zxAnL3IfTable" , "1.3.6.1.4.1.3902.1082.90.10.2.1"} ,

MIB Variable	OID	MIB Value	Description
IfIndex	. 1.3.6.1.2.1.2.2.1.1		index
zxAnL3IfName	.1.3.6.1.4.1.3902.1082.90.10.2.1.1.1	STRING (SIZE (0 .. 64))	
zxAnL3IfMngEnable	.	INTEGER	

MIB Variable	OID	MIB Value	Description
	1.3.6.1.4.1.3902.1082.90.10.2.1.1.2	{ enable (1) , disable (2) }	
zxAnL3IfArpProxyEnable	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.3	INTEGER { enable (1) , disable (2) }	
zxAnL3IfArpAgingTime	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.4	Integer32 (1 .. 4294967)	
zxAnL3IfIpv6Enable	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.5	INTEGER { enable (1) , disable (2) }	
zxAnL3IfIpv6Mtu	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.6	Integer32 (1280 .. 1500)	
zxAnL3IfIpv6DadAttemps	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.7	Integer32 (1 .. 60)	
zxAnL3IfRowStatus	. 1.3.6.1.4.1.3902.1082.90.10.2.1.1.50	rowStatus	

4.5.2   VLAN Interface IP Configuration

[MIB file]:

ZTE-AN-L3-IF-MIB.mib

{"zxAnL3IfIpAddressTable"   ," 1.3.6.1.4.1.3902.1082.90.10.2.2"} ,

MIB Variable	OID	MIB Value	Description
ifIndex	. 1.3.6.1.2.1.2.2.1.1		index
zxAnL3IfIpAddress	. 1.3.6.1.4.1.3902.1082.90.10.2.2.1.1		index
zxAnL3IfIpAddressMask	. 1.3.6.1.4.1.3902.1082.90.10.2.2.1.2		
zxAnL3IfIpCatagory	.		

MIB Variable	OID	MIB Value	Description
	1.3.6.1.4.1.3902.1082.90.10.2.2.1.3		
zxAnL3IfIpRowStatus	. 1.3.6.1.4.1.3902.1082.90.10.2.2.1.50	rowStatus	

5 PON Services

5.1 Public PON Port Management

5.1.1 IP Address Pool

[MIB file]:

ZTE-AN-PON-SERVICE-MIB.mib

{"zxAnPonOnuMgmtIpAddrType"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.1"} ,

{"zxAnPonOnuMgmtIpAddr"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.2"} ,

{"zxAnPonOnuMgmtIpPfxLen"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.3"} ,

{"zxAnPonOnuMgmtPri"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.4"} ,

{"zxAnPonOnuMgmtCVid"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.5"} ,

{"zxAnPonOnuMgmtSVid"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.6"} ,

{"zxAnPonOnuMgmtNetAddrType"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.7"} ,

{"zxAnPonOnuMgmtNetAddr"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.8"} ,

{"zxAnPonOnuMgmtNetPfxLen"   ,   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.9"} ,

{"zxAnPonOnuMgmtNetGatewayAddrType","1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.10"} ,

{"zxAnPonOnuMgmtNetGatewayAddr",   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.11"} ,

{"zxAnPonOnuMgmtIpEnable",   "1.3.6.1.4.1.3902.1082.500.2.2.2.5.1.12"} ,

5.2　GPON OLT Management

5.2.1　ONU Management

[Function description]:

This MIB creates and deletes the ONU under a certain OLT, configures ONU authentication mode and authentication information, and manages the ONU.

[MIB file]:

Please refer to zxAnGponSrvOnuMgmtTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

When modifying authentication information, zxAnGponOnuMgmtRegMode and authentication information field corresponding to the authentication mode must be specified.

zxAnGponOnuMgmtMIB, zxAnGponOnuMgmtRegMode and zxAnGponOnuMgmtRowStatus must be specified in ONU creation.

MIB Variable	OID	MIB Value	Description
zxAnGponOnuMgmtType	.1.3.6.1.4.1.3902.1082.500.10.2.3.3.1.1	DisplayString (SIZE (1 .. 64))	The ONU Type name which should refer to the entry of zxAnPonOnuTypeTable.
zxAnGponOnuMgmtRegMode	.1.3.6.1.4.1.3902.1082.500.10.2.3.3.1.5	INTEGER { regModeSn (1) , regModePwd (2) , regModeSnPlusPwd(3) , regModeRegisterId (4) , regModeRegisterIdPlus8021x (5) , regModeRegisterIdPlusMutual (6), regModeHexPwd (7),	This attribute indicates the ONU registration mode.　　　regModeSn: GPON/XGPON - G.984 G.987 - 8bytes　regModePwd: GPON - G.984 - 10Bytes　　regModeSnPlusPwd: GPON - G.984 - 8+10Bytes　　regModeRegisterId:

MIB Variable	OID	MIB Value	Description
		regModeSnPlusHexPwd (8), regModeLoid (9) , regModeLoidPlusPwd (10) }	GPON/XGPON - G.984 G.987 - 36Bytes(XGPON) regModeRegisterIdPlus 8021x: XGPON - G.987 - 36Bytes regModeRegisterIdPlus Mutual: XGPON - G.987 - 36Bytes regModeHexPwd: GPON--Hex Password format - 7Bytes(hex,fixed) regModeSnPlusHexPwd: GPON - Hex SN+Password format - 8+7Bytes(hex,fixed) regModeLoid: GPON/XGPON - CTC format - 24Bytes regModeLoidPlusPwd: GPON/XGPON - CTC format - 24+12Bytes The attribute is also used to define the registration mode in 'zxAnGponOnuMgmtRegistrationInfo'.
zxAnGponOnuMgmtSn	. 1.3.6.1.4.1.3902.1082.500.10.2.3.3.1.6	OCTET STRING (SIZE (8))	SN configed by OLT for the purpose of register. The serial number is unique for each ONU. It is defined in [ITU-T G.984.3] and [ITU-T G.987.3] and contains the vendor id and vendor specific serial

MIB Variable	OID	MIB Value	Description
			number. The first four bytes are an ASCII-encoded four-letter vendor ID. The second four bytes are a binary encoded serial number, under the control of the ONU vendor. This attribute is valid when 'zxAnGponOnuMgmtRegMode' is following value: regModeSn(1) - 8 Bytes, regModeSnPlusHexPwd(8) - 8 Bytes
zxAnGponOnuMgmtPwd	.1.3.6.1.4.1.3902.1082.500.10.2.3.3.1.7	OCTET STRING (SIZE (0 .. 12))	Password configed by OLT for the purpose of register. This attribute is valid when 'zxAnGponOnuMgmtRegMode' is following value: regModePwd(2) - 10 Bytes, regModeSnPlusPwd(3) - 10 Bytes, regModeHexPwd(7) - 7 Bytes(hex), regModeSnPlusHexPwd(8) - 7 Bytes(hex), regModeLoidPlusPwd(10) - 12 Bytes

MIB Variable	OID	MIB Value	Description
zxAnGponOnuMgmtLoid	. 1.3.6.1.4.1.390 2.1082.500.10. 2.3.3.1.8	DisplayString （SIZE (0 .. 24)）	LOID configed by OLT for the purpose of register. This attribute is valid when 'zxAnGponOnuMgmtRegMode' is following value: regModeLoid(9) regModeLoidPlusPwd(10)
zxAnGponOnuMgmtRegistrationId	. 1.3.6.1.4.1.390 2.1082.500.10. 2.3.3.1.9	DisplayString （ SIZE (0 .. 36)）	Registration ID configed by OLT for the purpose of register. This attribute is valid when 'zxAnGponOnuMgmtRegMode' is following value: regModeRegisterId(4) regModeRegisterIdPlus8021x(5) regModeRegisterIdPlusMutual(6)
zxAnGponOnuMgmtRowStatus	. 1.3.6.1.4.1.390 2.1082.500.10. 2.3.3.1.50	RowStatus	

5.2.2 ONU Status

[MIB file]:

Please refer to zxAnGponSrvOnuStatusTable defined in *ZTE-AN-GPON-SERVICE-MIB.mib*.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvOnu PhaseStatus	. 1.3.6.1.4.1.3902.1082. 500.10.2.3.8.1.4	INTEGER { logging (1) , los (2) , syncMib (3) , working (4) , dyingGasp (5) , authFailed (6) , offline (7) }	

5.2.3   T-CONT Profile

[MIB file]:

Please refer to zxAnGponSrvBandwidthPrfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvBwPrf Name	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 2.1.1	DisplayString (SIZE(1.. 64))	
zxAnGponSrvBwPrf Fixed	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 2.1.2	Integer32 (64.. 488320)	The Fixed Bandwidth is entirely reserved and cyclically allocated in order to achieve a low traffic transfer delay. The unit is kbps. It may be created/read/modified . Modifying can be done only when the entry is not used by any other entry. Guaranteed Bandwidth is the summation of Assured Bandwidth and

MIB Variable	OID	MIB Value	Description
			Fixed Bandwidth.
zxAnGponSrvBwPrf Assured	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 2.1.3	Integer32 (64.. 2488320) kbps	The Assured Bandwidth is bandwidth that is always available to the ONU/ONT if the T-CONT buffer is expected to have traffic to transmit. If the T-CONT buffer does not have traffic to transmit, this bandwidth may be used by other T-CONTs. Guaranteed Bandwidth is the summation of Assured Bandwidth and Fixed Bandwidth.
zxAnGponSrvBwPrf Maximum	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 2.1.4	Integer32 (64.. 488320)	The Maximum Bandwidth.The unit is kbps. It may be created/read/modified . Writing or modifying can be done when the entry is not used by any other entry.
zxAnGponSrvBwPrf Type	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 2.1.5	INTEGER { Type1（1）, Type 2（2）, Type 3（3）, Type 4（4）, Type 5（5）}	There are 5 kinds of bandwidth profile mode: Type 1 is characterized by Fixed bandwidth only; Type 2 is characterized by Assured bandwidth

MIB Variable	OID	MIB Value	Description
			only; Type 3 has Assured bandwidth and Non-assured bandwidth; Type 4 has Best-effort bandwidth only and does not have any Guaranteed bandwidth; Type 5 is the super set of all of Type s. when modify or create this entry, this value must be set. If the value is useless to the value of Type, it will be ignored and set to 0 in the system.
zxAnGponSrvBwPrf RowStatus	.1.3.6.1.4.1.3902.1082.500.10.2.1.2.1.50	RowStatus	

5.2.4   GEM Port Traffic Profile

[MIB file]:

Please refer to zxAnGponSrvTrafficPrfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvTraffic PrfName	.1.3.6.1.4.1.3902.1082.500.10.2.1.3.1.1	DisplayString (SIZE (1 .. 64))	
zxAnGponSrvTraffic PrfSir	.1.3.6.1.4.1.3902.1082.500.10.2.1.3.1.2	Integer32 (0.. 10000000)	The SIR is sustainable rate of the traffic, modifying can be done when

MIB Variable	OID	MIB Value	Description
			the entry is not used by any other entry.
zxAnGponSrvTrafficPrfPir	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 3.1.3	Integer32 (64.. 10000000)	The PIR is peak rate of the traffic, modifying can be done when the entry is not used by any other entry.
zxAnGponSvrTrafficPrfCbs	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 3.1.4	Integer32 (0 .. 1023)	This attribute specifies committed block size. The value 0 accepts the system default policy.
zxAnGponSvrTrafficPrfPbs	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 3.1.5	Integer32 (0 .. 1023)	This attribute specifies peak block size. The value 0 accepts the system default policy.
zxAnGponSrvTrafficPrfRowStatus	. 1.3.6.1.4.1.3902. 1082.500.10.2.1. 3.1.50	RowStatus	

5.2.5 T-CONT

[MIB file]:

Please refer to zxAnGponSrvTcontTable defined in ZTE-AN-GPON-SERVICE-MIB.mib.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvTcontIndex	. 1.3.6.1.4.1.3902.1082.500.10. 2.3.4.1.1		An arbitrary(unique) integer for identifying an entry in the table, from 1 to upper limit supported T-CONT count of ONU Type.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvTcontBwPrfName	.1.3.6.1.4.1.3902.1082.500.10.2.3.4.1.3	DisplayString (SIZE (0 .. 64))	This attribute is the name of profile used by T-CONT bandwidth configuration. According to 'zxAnGponSrvBwPrfName' in 'zxAnGponSrvBandwidthPrfTable'.
zxAnGponSrvTcontRowStatus	.1.3.6.1.4.1.3902.1082.500.10.2.3.4.1.50	RowStatus	

5.2.6　GEM Port

[MIB file]:

Please refer to zxAnGponSrvGemPortTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvGemPortIndex	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.1		An arbitrary(unique) integer for identifying an entry in the table, from 1 to upper limit supported GEM port count of ONU Type.
zxAnGponSrvGemPortName	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.2	DisplayString (SIZE (0 .. 64))	This attribute specifies the name of the GEM port.
zxAnGponSrvGemPortTcontIndex	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.3		It is equal to the 'zxAnGponSrvOnuTcontIndex' of 'zxAnGponSrvOnuTcontTable'.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvGemPortRowStatus	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.50	RowStatus	

5.2.7   GEM Port Rate Limit

[MIB file]:

Please refer to zxAnGponSrvGemPortTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvGemPortUsTrafficPrf	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.10	DisplayString（SIZE（0..64））	Refers to 'zxAnGponSrvTrafficPrfName', upstream traffic limit of GEM port at OLT side.
zxAnGponSrvGemPortDsTrafficPrf	.1.3.6.1.4.1.3902.1082.500.10.2.3.5.1.11	DisplayString（SIZE（0..64））	Refers to 'zxAnGponSrvTrafficPrfName', downstream traffic limit of GEM port at OLT side.

5.2.8   VLAN (Service Port)

[MIB file]:

Please refer to zxAnServicePortConfTable defined in ***ZTE-AN-SERVICEPORT-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnSrvPortServiceMode	1.3.6.1.4.1.3902.1082.110.5.2.2.1.4	1-12	
zxAnSrvPortUserVid	1.3.6.1.4.1.3902.1082.110.5.2.2.1.8	0-4094	
zxAnSrvPortCVid	1.3.6.1.4.1.3902.1082.11	0-4094	

MIB Variable	OID	MIB Value	Description
	0.5.2.2.1.18		
zxAnSrvPortSVid	1.3.6.1.4.1.3902.1082.11 0.5.2.2.1.19	0-4094	
zxAnSrvPortRowStatus	1.3.6.1.4.1.3902.1082.11 0.5.2.2.1.50		

5.2.9   Unconfigured ONU

[MIB file]:

Please refer to zxAnGponSrvUnConfOnuTable defined in ***ZTE-AN-SERVICEPORT-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponSrvUnConf OnuIndex	. 1.3.6.1.4.1.3902.108 2.500.10.2.2.5.1.1		The index of the unconfigured ONU.
zxAnGponSrvUnConf OnuSn	. 1.3.6.1.4.1.3902.108 2.500.10.2.2.5.1.2	OCTET STRING (SIZE (8))	The SN of the unconfigured ONU. The serial number is unique for each ONU. It is defined in [ITU-T G.984.3] and [ITU-T G.987.3] and contains the vendor id and vendor specific serial number. The first four bytes are an ASCII-encoded four-letter vendor ID. The second four bytes are a binary encoded serial

MIB Variable	OID	MIB Value	Description
			number, under the control of the ONU vendor.
zxAnGponSrvUnConfOnuPwd	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.3	OCTET STRING (SIZE（10）)	The password reported by the ONU. The format could be display string or HEX octets.
zxAnGponSrvUnConfOnuLoid	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.4	DisplayString（SIZE（0 .. 24）)	This attribute identifies the LOID of the ONU.
zxAnGponSrvUnConfOnuLoidPwd	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.5	OCTET STRING (SIZE（12）)	This attribute identifies the LOID password of the ONU. The format could be display string or HEX octets.
zxAnGponSrvUnConfOnuRegId	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.6	DisplayString（SIZE（0 .. 36）)	This attribute identifies the registration ID of the ONU.
zxAnGponSrvUnConfOnuType	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.7	DisplayString（SIZE（0 .. 14）)	This attribute identifies the Type of the ONU.
zxAnGponSrvUnConfOnuSwVer	.1.3.6.1.4.1.3902.1082.500.10.2.2.5.1.8	DisplayString（SIZE（0 .. 14）)	This attribute identifies the version of the ONU.

5.2.10   Traffic-profile

[MIB file]:

Please refer to zxAnQos3TrafficConfigTable defined in ZTE-AN-QOS3-MIB.mib.

MIB Variable	OID	MIB Value	Description
zxAnQosTrafficIfConfTable	.1.3.6.1.4.1.3902.1082.50.2.2.2		
zxAnQosTrafficIfConfEntry	.1.3.6.1.4.1.3902.1082.50.2.2.2.1		
zxAnQosTrafficIfConfPrf	.1.3.6.1.4.1.3902.1082.50.2.2.2.1.2		
zxAnQosTrafficIfDirection	.1.3.6.1.4.1.3902.1082.50.2.2.2.1.1		
zxAnQosTrafficIfRowStatus	.1.3.6.1.4.1.3902.1082.50.2.2.2.1.50		

The relationship between profile and ONU interface

MIB Variable	OID	MIB Value	Description
ifIndex	.1.3.6.1.2.1.2.2.1.1		
zxAnSubIfIndex	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2		

5.3   Remote GPON ONU Management

5.3.1   Service

[Function description]:

This MIB creates the mapping from the user traffic to GEM port by creating service configurations.

[MIB file]:

Please refer to zxAnGponRmServiceMapTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmServiceName	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.1	DisplayString (SIZE (1 .. 32))	Name of service.
zxAnGponRmServiceGemPort	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.2	Integer32 (1 .. 255)	GEM port index of service.
zxAnGponRmServiceMapType	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.4	INTEGER { cos (1) , vlan (2) , cosAndVlan (3) , transparent (4) , untag (5) }	Map Type service. - cos: mapping to gemport by cos value - vlan: mapping to gemport by VLAN value - cosAndVlan: mapping to gemport by both cos and VLAN value - transparent: mapping to gemport transparently - untag: mapping to gemport for untag frames

MIB Variable	OID	MIB Value	Description
zxAnGponRmServiceMapCos	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.5	Integer32 (0 .. 255)	A bitfield defines the frames with the priority related with this service. MSB stands for priority 7, LSB stands for priority 0. A bit value of 0 specifies that frames with the associated priority are to be discarded.
zxAnGponRmServiceMapVid	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.6	OCTET STRING (SIZE (24))	Each 2 bytes stand for the VLAN ID related with this service. The first N*2 bytes are valid, until VLAN ID=0.
zxAnGponRmServiceRowStatus	. 1.3.6.1.4.1.3902. 1082.500.20.2.7. 2.1.50	RowStatus	

5.3.2   LAN Interface

5.3.2.1   Interface Management

[MIB file]:

Please refer to zxAnGponRmEthUniTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmEthUniAdminState	. 1.3.6.1.4.1.3902.108 2.500.20.2.3.2.1.5	INTEGER {unlocked (1) , locked (2) }	This attribute is used to activate (unlock: value 0x01) and deactivate(lock: value 0x02) the

MIB Variable	OID	MIB Value	Description
			functions performed by instances of this managed entity.
zxAnGponRmEthUniOperState	.1.3.6.1.4.1.3902.1082.500.20.2.3.2.1.6	INTEGER { enabled (1) , disabled (2) }	This attribute indicates whether or not this managed entity is capable of performing its task. The operational state reflects the perceived ability to receive or to generate a valid signal. Valid values are enabled (0x01) and disabled (0x02).

5.3.3   LAN Interface VLAN

[Function description]:

This MIB adds and deletes the ONU UNI VLAN.

[MIB file]:

Please refer to the following tables defined in ZTE-AN-GPON-REMOTE-ONU-MIB.mib.

Configuring ONU user port VLAN usually involve two MIB tables. Please refer to the MIB document for the definition of each MIB variable.

{"zxAnGponRmVlanPortTable" , "1.3.6.1.4.1.3902.1082.500.20.2.4.63"} ,

{"zxAnGponRmVlanPortEntry"   , "1.3.6.1.4.1.3902.1082.500.20.2.4.63.1"} ,

{"zxAnGponRmVlanPortMode",   "1.3.6.1.4.1.3902.1082.500.20.2.4.63.1.3"} ,

{"zxAnGponRmVlanPortDefaultVid" , "1.3.6.1.4.1.3902.1082.500.20.2.4.63.1.4"} ,

{"zxAnGponRmVlanPortCmdTable",   "1.3.6.1.4.1.3902.1082.500.20.2.4.64"} ,

{"zxAnGponRmVlanPortCmdEntry",   "1.3.6.1.4.1.3902.1082.500.20.2.4.64.1"} ,

{"zxAnGponRmVlanPortCmd"   ,"1.3.6.1.4.1.3902.1082.500.20.2.4.64.1.1"} ,

{"zxAnGponRmVlanPortVid"   ,   "1.3.6.1.4.1.3902.1082.500.20.2.4.64.1.2"} ,

Configuration examples:

Take gpon-onu_1/3/1:1 eth_0/1 configuration for example:

1. Transparent transmission mode:

ZXAN(gpon-onu-mng)#show onu running config gpon-onu_1/3/1:1

pon-onu-mng gpon-onu_1/3/1:1

  vlan port eth_0/1 mode transprant

 !

The corresponding MIB configurations are:

snmpset -v2c -c public ipaddr .1.3.6.1.4.1.3902.1082.500.20.2.4.63.1.3.285278977.1.1 i 4

2. trunk mode:

ZXAN(gpon-onu-mng)#show onu running config gpon-onu_1/3/1:1

pon-onu-mng gpon-onu_1/3/1:1

  vlan port eth_0/1 mode trunk

  vlan port eth_0/1 vlan 100

 !

The corresponding MIB operations are as follows:

snmpset -v2c -c public ipaddr .1.3.6.1.4.1.3902.1082.500.20.2.4.63.1.3.285278977.1.1 i 2

snmpset -v2c -c public ipaddr .1.3.6.1.4.1.3902.1082.500.20.2.4.64.1.1.285278977.1.1 i 1 .1.3.6.1.4.1.3902.1082.500.20.2.4.64.1.2.285278977.1.1 i 100

Other VLAN processing mode is similar. Please configure as per the MIB description.

5.3.3.1 zxAnGponRmVlanPortTable

MIB Variable	OID	MIB Value	Description
zxAnGponRmVlan PortMode	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 63.1.3	INTEGER { access (1) , trunk (2) , hybrid (3) , transparent (4) , none (5) }	The access mode of the port. There are five Types: - access: access mode of port access - trunk: trunk mode of port access - hybrid: hybrid mode of port access - transparent: transparent mode of port access - none: delete all the VLAN configuration of the port, restore to ONU's internal policy.
zxAnGponRmVlan PortDefaultVid	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 63.1.4	Integer32 (1 .. 4094)	The pvid of the port.
zxAnGponRmVlan PortDefaultCos	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 63.1.5	Integer32 (0 .. 7)	The default priority of the port.

5.3.3.2 zxAnGponRmVlanPortCmdTable

MIB Variable	OID	MIB Value	Description
zxAnGponRmVlan PortCmd	. 1.3.6.1.4.1.3902.108 2.500.20.2.4.64.1.1	INTEGER {addVlan (1), delVlan (2)}	The command to operate VLAN list of 'zxAnGponRmVlanPo rtTable'. The multi-variables binding rule should be complied with when a manager configures port VLAN cmd. According to this rule, all the related mib variables must be included in one SNMP set operation. There are two Types of variables: mandatory and optional. All of the mandatory variables must be included in one SNMP set operation. Optional variables may be included in one SNMP set operation with the mandatory variables, but must not be used alone. To configure VLAN, the mandatory and optional variables are as follows:

MIB Variable	OID	MIB Value	Description
			mandatoty: zxAnGponRmVlanPortCmd, zxAnGponRmVlanPortVid optional : none
zxAnGponRmVlanPortVid	.1.3.6.1.4.1.3902.1082.500.20.2.4.64.1.2	Integer32 (1 .. 4094)	This variable must comply with the multi-variables binding rule described in 'zxAnGponRmVlanPortCmd'.

5.3.3.3   zxAnGponRmVlanTransTable

MIB Variable	OID	MIB Value	Description
zxAnGponRmVlanTransUserVid	.1.3.6.1.4.1.3902.1082.500.20.2.4.65.1.1	Integer32 (1 .. 4094)	User VLAN ID for translation.
zxAnGponRmVlanTransUserCos	.1.3.6.1.4.1.3902.1082.500.20.2.4.65.1.2	Integer32 (0 .. 8)	User priority for translation, the range of priority is from 0 to 8, and '8' indicates no configuration.
zxAnGponRmVlanTransCVid	.1.3.6.1.4.1.3902.1082.500.20.2.4.65.1.3	Integer32 (0.. 4094)	Inner VLAN for VLAN translate,'0' indicates no translation. The multi-variables binding rule should be complied with when a manager configures port VLAN translate. According to this rule, all the related mib variables must be included in one SNMP set operation.

MIB Variable	OID	MIB Value	Description
			There are two Types of variables: mandatory and optional. All of the mandatory variables must be included in one SNMP set operation. Optional variables may be included in one SNMP set operation with the mandatory variables, but must not be used alone. To configure VLAN translation, the mandatory and optional variables are as follows: mandatoty: zxAnGponRmVlanTransSVid optional : zxAnGponRmVlanTransCVid, zxAnGponRmVlanTransCtagCos, zxAnGponRmVlanTransStagCos
zxAnGponRmVlan TransCtagCos	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 65.1.4	Integer32 (0 .. 8)	Inner VLAN priority for VLAN translate,'8' indicates no translation. This variable must comply with the multi-variables binding rule described in 'zxAnGponRmVlanTransC Vid'.

MIB Variable	OID	MIB Value	Description

zxAnGponRmVlan TransSVid	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 65.1.5	Integer32 (0.. 4094)	Outer VLAN for VLAN translate,'0' indicates no SVLAN.
			    This variable must comply with the multi-variables binding
			    rule described in 'zxAnGponRmVlanTransC Vid'.

zxAnGponRmVlan TransStagCos	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 65.1.6	Integer32 (0 .. 8)	Outer VLAN priority for VLAN translate,'8' indicates copy priority from inner VLAN priority.
			    This variable must comply with the multi-variables binding
			    rule described in 'zxAnGponRmVlanTransC Vid'.

zxAnGponRmVlan TransRowStatus	. 1.3.6.1.4.1.3902. 1082.500.20.2.4. 65.1.50	RowStatus	In particular, a newly created row cannot be created until the corresponding at least one of 'zxAnGponRmVlanTrans CVid zxAnGponRmVlanTransC tagCos zxAnGponRmVlanTransS Vid zxAnGponRmVlanTransS tagCos' have been set.

5.3.4   Multicast VLAN

[MIB file]:

Please refer to zxAnGponRmMVlanTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmMVid	. 1.3.6.1.4.1.3902.1 082.500.20.2.4.30. 1.1	Integer32 (1 .. 4094)	This attribute represents the VLAN ID(1~4094).
zxAnGponRmMVla nRowStatus	. 1.3.6.1.4.1.3902.1 082.500.20.2.4.30. 1.50	RowStatus	

5.3.5　VoIP

5.3.5.1　IP Profile

[MIB file]:

Please refer to zxAnGponRmIpPrfTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmIpPrf Name	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.24. 1.1	DisplayString (SIZE (1 .. 64))	The profile name.
zxAnGponRmIpGa teway	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.24. 1.3	InetAddress	The default gateway address used for IP host services, this attribute has default value 0 (not set). If this value is set, it overrides any values returned in DHCP. The address Type (InetAddressType) that relates to this object is

MIB Variable	OID	MIB Value	Description
			specified by the corresponding value of 'zxAnGponRmIpGatewayType'.
zxAnGponRmIpPrf RowStatus	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.24. 1.50	RowStatus	

5.3.5.2 VLAN Profile

[MIB file]:

Please refer to zxAnGponRmVlanPrfTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmVlan PrfName	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.25. 1.1	DisplayString (SIZE(1.. 64))	This object indicates the profile name.
zxAnGponRmVlan PrfTagMode	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.25. 1.2	INTEGER {tag (1), vlanStackin g (2) }	VLAN tag mode. If mode is tag, 'zxAnGponRmVlanPrfSVid' need not to be configured. If mode is vlanStacking, 'zxAnGponRmVlanPrfSVid' should be configured.
zxAnGponRmVlan PrfCVid	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.25. 1.3	Integer32 (1 .. 4094)	CVLAN tag ID.
zxAnGponRmVlan PrfCtagCos	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.25.	Integer32 (0 .. 7)	CVLAN tag priority.

MIB Variable	OID	MIB Value	Description
	1.4		
zxAnGponRmVlan PrfRowStatus	. 1.3.6.1.4.1.3902.1 082.500.20.2.6.25. 1.50	RowStatus	

5.3.5.3 VoIP Protocol Configuration

[MIB file]:

Please refer to zxAnGponRmVoipConfTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmVoip SignalProtoUsed	. 1.3.6.1.4.1.390 2.1082.500.20. 2.15.3.1.2	INTEGER { none (1) , sip (2) , h248 (3) , mgcp (4) }	This attribute identifies the Type of VoIP signaling protocol used for ONU. Only one Type of protocol is allowed. Valid values are: 0x01 = None 0x02 = SIP 0x03 = H.248 0x04 = MGCP

5.3.5.4 VoIP IP Configuration

[MIB file]:

Please refer to zxAnGponRmVoipIpConfTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmSl otId	. 1.3.6.1.4.1.3902. 1082.500.20.2.15 .6.1.1	Integer32 (0 .. 16)	This attribute indicates the index of slot in ONU. If slot ID is zero, it means the ONU is

MIB Variable	OID	MIB Value	Description
			box-Type, which can not plug card.
zxAnGponRmMediaIndex	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.2	INTEGER {signalAndMedia (1) , media (2)}	This attribute indicates the whether the separation of media and signaling.If 'media' is configured,The media will use a separation IP address,otherwise media and signaling will share the same IP address.
zxAnGponRmVoipIpMode	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.3	INTEGER { static (1) , dhcp (2) , pppoe (3)}	IP address configuration mode.
zxAnGponRmVoipIpPrf	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.4	DisplayString (SIZE (0 .. 64))	This attribute refers to 'zxAnGponRmIpPrfName'. If no profile name is indicated, this attribute is set to a null string.
zxAnGponRmVoipVlanPrf	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.5	DisplayString (SIZE (1 .. 64))	This attribute refers to 'zxAnGponRmVlanPrfName'.
zxAnGponRmVoipHostId	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.6	Integer32 (1 .. 255)	The ONU IP host ID, if this attribute is not specified, system will select an available IP host ID.
zxAnGponRmVoipIpAddr	.1.3.6.1.4.1.3902.1082.500.20.2.15	InetAddress	This attribute is relation to 'zxAnGponRmVoipIp

MIB Variable	OID	MIB Value	Description
	.6.1.9		Mode'. This attribute is valid only when 'zxAnGponRmVoipIp Mode' is static.
zxAnGponRmVoipIpAddrPfxLen	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.10	InetAddressPrefixLength	VoIP IP address prefix length.
zxAnGponRmVoipIpConfRowStatus	.1.3.6.1.4.1.3902.1082.500.20.2.15.6.1.50	RowStatus	

5.3.5.5   SIP Profile

[MIB file]:

Please refer to zxAnGponRmSipPrfTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmSipPrfName	.1.3.6.1.4.1.3902.1082.500.20.2.6.22.1.1	DisplayString（SIZE（1..64））	This object indicates the profile name.
zxAnGponRmSipProxyAddr	.1.3.6.1.4.1.3902.1082.500.20.2.6.22.1.2	DisplayString（SIZE（0..128））	This attribute points to a large string ME that contains the name (IP address or URI) of the SIP proxy server for SIP signalling messages.
zxAnGponRmSipPrfRowStatus	.1.3.6.1.4.1.3902.1082.500.20.2.6.22.1.50	RowStatus	

5.3.5.6 MGC Profile

[MIB file]:

Please refer to zxAnGponRmMgcPrfTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmMgcPrfName	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.1	DisplayString (SIZE (1 .. 64))	This object indicates the profile name.
zxAnGponRmMgcPrimarySvr	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.2	DisplayString (SIZE (0 .. 128))	This attribute points to a network address ME that contains the name(IP address or resolved name) of the primary MGC that controls the signalling messages.
zxAnGponRmMgcUserTidAssignPolicy	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.20	INTEGER {default (1) , specified (2) }	Default value '1' indicates User TID is assigned by ONU. The value '2' indicates that User TID is produced by the config data.
zxAnGponRmMgcUserTidPrefix	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.21	DisplayString (SIZE (0 .. 128))	User TID Prefix.
zxAnGponRmMgcUserTidDigitLen	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.22	Integer32 (0 .. 7)	Length of user TID postfix
zxAnGponRmMgcUserTidDigitStartNo	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.23	Integer32 (0 .. 9)	Start number of user TID postfix.
zxAnGponRmMgcRtpTidAssignPolicy	. 1.3.6.1.4.1.3902.1082.	INTEGER {default (1)	Default value '1' indicates RTP TID

MIB Variable	OID	MIB Value	Description
	500.20.2.6.23.1.24	, specified (2) }	is assigned by ONU. The value '2' indicates that RTP TID is produced by the config data.
zxAnGponRmMgc RtpTidPrefix	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.25	DisplayStrin g (SIZE(0.. 8))	RTP TID prefix
zxAnGponRmMgc RtpTidDigitLen	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.26	Integer32 (0 .. 7)	Length of RTP TID postfix.
zxAnGponRmMgc RtpTidDigitStartNo	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.27	Integer32 (0 .. 9)	Start number of RTP TID postfix.
zxAnGponRmMgc PrfRowStatus	. 1.3.6.1.4.1.3902.1082. 500.20.2.6.23.1.100	RowStatus	

5.3.5.7   SIP Service

[MIB file]:

Please refer to zxAnGponRmSipUserTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmSipP rf	. 1.3.6.1.4.1.3902. 1082.500.20.2.15 .4.1.1	DisplayString (SIZE(1.. 64))	This attribute refers to the name of table 'zxAnGponRmSipPr fName'.
zxAnGponRmSipU serId	. 1.3.6.1.4.1.3902. 1082.500.20.2.15 .4.1.2	DisplayString (SIZE(1.. 128))	This attribute points to a large string that contains the user identification part of the address of record. This can take the form of an

MIB Variable	OID	MIB Value	Description
			alphanumeric string or the subscriber's directory number.
zxAnGponRmSipUsername	.1.3.6.1.4.1.3902.1082.500.20.2.15.4.1.3	DisplayString (SIZE (0 .. 50))	This string attribute is the user name. If the string is shorter than 50 bytes, it must be null terminated.
zxAnGponRmSipPassword	.1.3.6.1.4.1.3902.1082.500.20.2.15.4.1.4	DisplayString (SIZE (0 .. 25))	This string attribute is the password. If the string is shorter than 25 bytes, it must be null terminated.
zxAnGponRmSipRowStatus	.1.3.6.1.4.1.3902.1082.500.20.2.15.4.1.50	RowStatus	

5.3.5.8   MGC Service

[MIB file]:

Please refer to zxAnGponRmMgcUserTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmMgcPrf	.1.3.6.1.4.1.3902.1082.500.20.2.15.5.1.1	DisplayString (SIZE (1 .. 64))	This attribute refers to the name of table 'zxAnGponRmMgcPrfName'.
zxAnGponRmMgcRowStatus	.1.3.6.1.4.1.3902.1082.500.20.2.15.5.1.50	RowStatus	

5.3.6   POTS Interface

[MIB file]:

Please refer to zxAnGponRmPotsUniTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmPots UniAdminState	. 1.3.6.1.4.1.3902.1082. 500.20.2.15.2.1.1	INTEGER {unlocked (1) , locked (2) }	
zxAnGponRmPots UniOperState	. 1.3.6.1.4.1.3902.1082. 500.20.2.15.2.1.8	INTEGER { enabled (1) , disabled (2) }	

5.3.7   Remote Operation

[MIB file]:

Please refer to zxAnGponRmOnuOperTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmOn uReboot	. 1.3.6.1.4.1.3902.1 082.500.20.2.1.10. 1.1	INTEGER {reboot (1) }	This attribute identifies the reboot action of the ONU.
zxAnGponRmOn uSyncTime	. 1.3.6.1.4.1.3902.1 082.500.20.2.1.10. 1.2	INTEGER {syncTime (1) }	This attribute identifies the action of the ONU. Synchronize the start time of all performance monitoring managed entities of the ONU with the reference time of the OLT.
zxAnGponRmOn uRestore	. 1.3.6.1.4.1.3902.1 082.500.20.2.1.10. 1.3	INTEGER {restore (1) }	This attribute identifies the action of the ONU. Reset the MIB data sync attribute to 0

MIB Variable	OID	MIB Value	Description
			and reset the MIB of the ONU to its default, then deliver the MIB data to ONU to bring ONU MIB into alignment with its own.
zxAnGponRmOnuRestoreFactory	. 1.3.6.1.4.1.3902.1 082.500.20.2.1.10. 1.4	INTEGER {restore (1) }	This attribute identifies the action of the ONU, restores the ONU's factory configuration.

5.3.8   MAC Address Table Query

[MIB file]:

Please refer to zxAnGponRmBpMacAddrListTable defined in ***ZTE-AN-GPON-REMOTE-ONU-MIB.mib***.

MIB Variable	OID	MIB Value	Description
zxAnGponRmBpMacAddrIndex	. 1.3.6.1.4.1.3902 .1082.500.20.2. 4.16.1.1		
zxAnGponRmBpMacAddrType	. 1.3.6.1.4.1.3902 .1082.500.20.2. 4.16.1.2	INTEGER { static (1) , dynamic (2) }	The Type of addresses entries, the valied value is: static -- This entry is statically assigned. dynamic -- This entry is dynamically learned.
zxAnGponRmBpMacAddrFilterMode	. 1.3.6.1.4.1.3902 .1082.500.20.2. 4.16.1.3	INTEGER { forward (1) , filter (2) }	The filter mode of addresses entries, indecate whether packets having them as destination addresses are filtered or forwarded.

MIB Variable	OID	MIB Value	Description
zxAnGponRmBpMacAddrAge	.1.3.6.1.4.1.3902.1082.500.20.2.4.16.1.4	Integer32 (1 .. 4095)	The MAC address's age, unit in seconds.
zxAnGponRmBpMacAddr	.1.3.6.1.4.1.3902.1082.500.20.2.4.16.1.5	MacAddress	The MAC address.

Operation instructions:

Only support getnext operations.

5.3.9 WIFI Configuration

[MIB file]:

Please refer to zxAnPonRmWifiUniTable defined in *ZTE-AN-PON-REMOTE-ONU-MIB.mib*.

MIB Variable
OID
MIB Value
Description

zxAnPonRmWifiIfAdminStatus
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.1
INTEGER
{ enabled (1) , disabled (2) }
Enable or disable the WiFi interface function.
zxAnPonRmWifiIfOperationalStatus
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.2
INTEGER
{ enabled (1) , disabled (2) }
The operational status of WiFi interface.
zxAnPonRmWifiIfRadioMeasEnable
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.3
INTEGER
{ enabled (1) , disabled (2) }
Enable or disable the radio measurement function.

zxAnPonRmWifiIfIsolationEnable

.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.4

INTEGER

{ enabled (1) , disabled (2) }

Enable or disable the SSID isolation function.

zxAnPonRmWifiIfSgiEnable

.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.5

INTEGER

{ enabled (1) , disabled (2) }

This attribute enable or disable the SGI function.

This attribute is valid when zxAnPonRmWifiIfWirelessWorkMode

is '802.11n' and '802.11b-11g-11n'.

zxAnPonRmWifiIfWirelessWorkMode

.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.6

BITS {ieee802for11b (0) , ieee802for11g (1) , ieee802for11n (2) }

The wireless work mode of WiFi interface.

The attribute is a bit map,

format as follows:

Bit 0 indicates '802.11b'

Bit 1 indicates '802.11g'

Bit 2 indicates '802.11n'.

Each bit,0 indicates not supported, 1 indicates supportd.

zxAnPonRmWifiIfRegulatoryDomain

.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.7

INTEGER { other (1) , usa (2) , canada (3) , etsi (4) , spain (5) , france (6) , mkk (7) , china (8) , russia (9) , brazil (10) , egypt (11) , germany (12) , greece (13) , hongkong (14) , italy (15) , korea (16) , uk (17) , portugal (18) , lithuania (19) }

The current regulatory domain.

The values 'mkk' and 'etsi' are only suported by EPON.

The values only supported by GPON are as follow:

'russia', 'brazil', 'egypt', 'germany', 'greece', 'hongkong',

'italy', 'korea', 'uk', 'portugal', 'lithuania'.

The value 'brazil' is valid when zxAnPonRmWifiIfWirelessWorkMode

is '802.11b'.

zxAnPonRmWifiIfChannel

.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.8

INTEGER

{auto (1) , channel1 (2) , channel2 (3) , channel3 (4) , channel4 (5) , channel5 (6) , channel6 (7) , channel7 (8) , channel8 (9) , channel9 (10) , channel10 (11) , channel11 (12) , channel12 (13) , channel13 (14) }

This attribute defines the channel. This attribute can not be

assigned as 'channel12' and 'channel13' when
zxAnPonRmWifiIfRegulatoryDomain is 'fcc' or 'doc'.
zxAnPonRmWifiIfChannelBandwidth
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.9
INTEGER { for20Mhz (1) , for40Mhz (2) }
This attribute defines the channel bandwidth of WiFi interface.
This attribute is valid when zxAnPonRmWifiIfWirelessWorkMode
is '802.11n' and '802.11b-11g-11n'.
zxAnPonRmWifiIfQosType
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.10
INTEGER { disabled (1) , wmm (2) , ssid (3) }
This attribute defines the QoS Type.
zxAnPonRmWifiIfTxRate
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.11
INTEGER
{ auto (1) , for1Mbps (2) , for2Mbps (3) , for5Dot5Mbps (4) , for6Mbps (5) , for9Mbps (6) ,
for11Mbps (7) , for12Mbps (8) , for18Mbps (9) , for24Mbps (10) , for36Mbps (11) ,
for48Mbps (12) , for54Mbps (13) }
This attribute defines the transmitting rate.
When zxAnPonRmWifiIfWirelessWorkMode is '802.11b', this attribute
can only be assigned as 'auto', 'for1Mbps', 'for2Mbps',
'for5Dot5Mbps' and 'for11Mbps'.
When zxAnPonRmWifiIfWirelessWorkMode is '802.11n' and
'802.11b-11g-11n', this attribute
can only be assigned as 'auto'.
zxAnPonRmWifiIfTxPower
.1.3.6.1.4.1.3902.1082.500.3.2.7.3.1.12
INTEGER { percent100 (1) , percent80 (2) , percent60 (3) , percent40 (4) , percent20 (5) }
This attribute defines the transmitting power.

Please refer to zxAnPonRmWifiSsidTable defined in ***ZTE-AN-PON-REMOTE-ONU-MIB.mib***.

MIB Variable
OID
MIB Value
Description

zxAnPonRmWifiSsid
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.1
Integer32

(1 .. 8)

ONU WiFi SSID(Service Set Identifier).

zxAnPonRmWifiSsidName

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.2

DisplayString (SIZE (0 .. 32))

The SSID name.

zxAnPonRmWifiSsidAdminStatus

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.3

INTEGER { enabled (1) , disabled (2) }

Enable or disable the SSID.

zxAnPonRmWifiSsidHideEnable

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.4

INTEGER { enabled (1) , disabled (2) }

Enable or disable the SSID hide function.

zxAnPonRmWifiSsidIsolationEnable

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.5

INTEGER { enabled (1) , disabled (2) }

Enable or disable the SSID user isolation function.

zxAnPonRmWifiSsidMaxUserNum

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.6

Integer32

(1 .. 65535)

The maximum SSID user number.

zxAnPonRmWifiSsidCurrentUserNum

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.7

Integer32

(0 .. 65535)

The current SSID user number.

zxAnPonRmWifiSsidMacAddress

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.8

MacAddress

This MAC address associated with this SSID.

zxAnPonRmWifiSsidAuthAlgorithm

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.9

INTEGER

{ openSystem (1) , sharedKey (2) , wpaPsk (3) , wpa2Psk (4) , wpaPskAndWpa2Psk (5) }

The SSID authentication algorithms.

zxAnPonRmWifiSsidWepEnable

.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.10

INTEGER

{enabled(1), disabled (2) }

Enable or disable the WEP encryption function.
The attribute is valid when zxAnPonRmWifiSsidAuthAlgorithm is
openSystem or sharedKey.
zxAnPonRmWifiSsidWepKeyLen
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.11
INTEGER
{ for64 (1) , for128 (2) }
The WEP encryption key bits length.
The attribute is valid when zxAnPonRmWifiSsidWepEncryEnable is
enabled.
zxAnPonRmWifiSsidWepKeyFormat
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.12
INTEGER
{ ascii (1) , hex (2) }
The WEP encryption key format.
The attribute is valid when zxAnPonRmWifiSsidWepEncryEnable is
enabled.
zxAnPonRmWifiSsidWepKeyValue
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.13
DisplayString
(SIZE (0 | 20 | 40 | 52 | 104))
The WEP encryption key value that consists of four groups
ASCII or hex value,format as follows:
for64 and ascii -- each group consists of 5 bytes string;
for128 and ascii -- each group consists of 13 bytes string;
for64 and hex -- each group consists of 10 bytes hex string;
for128 and hex -- each group consists of 26 bytes hex string;
The attribute is valid when zxAnPonRmWifiSsidWepEncryEnable is
enable.
It should be NULL when this entry used WAP authenticaton.
zxAnPonRmWifiSsidWepDefKey
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.14
Integer32
(1 .. 4)
The default WEP encryption key index.
The attribute is valid when zxAnPonRmWifiSsidWepEncryEnable is
enabled.
zxAnPonRmWifiSsidWpaInterval
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.15
Integer32
(100 .. 1000)

The WPA encryption key updating interal.
 The attribute is valid when zxAnPonRmWifiSsidAuthAlgorithm is
 wpaPsk or wpa2Psk or wpaPskAndWpa2Psk.
zxAnPonRmWifiSsidWpaAlgorithm
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.16
BITS
{ aes (0) , tkip (1) , wep (2) }
The WPA encryption Algorithm.
 The attribute is valid when zxAnPonRmWifiSsidAuthAlgorithm is
 wpaPsk or wpa2Psk or wpaPskAndWpa2Psk.
 The attribute is a bit map,
 format as follows:
 Bit 0 indicates 'AES'
 Bit 1 indicates 'TKIP'
 Bit 2 indicates 'WEP'.
 Each bit,0 indicates not supported, 1 indicates supportd.
zxAnPonRmWifiSsidWpaKeyValue
.1.3.6.1.4.1.3902.1082.500.3.2.7.4.1.17
DisplayString
(SIZE (0 | 8 .. 63))
The WPA encryption key value that consists of 8-63 bytes string;
 The attribute is valid when zxAnPonRmWifiSsidAuthAlgorithm is
 wpaPsk or wpa2Psk or wpaPskAndWpa2Psk.
 It should be NULL when this entry used WEP authenticaton.

5.3.10   VEIP Configuration

switchport-bind switch_0/1 veip 1

{"zxGponUNIMACBridgePortConfigTable","1.3.6.1.4.1.3902.1012.3.50.15.3"} ,

{"zxGponUNIMACBridgePortConfigEntry", "1.3.6.1.4.1.3902.1012.3.50.15.3.1"} ,

{"zxGponUNIMACBridgePortConfigBridgeId","1.3.6.1.4.1.3902.1012.3.50.15.3.1.1"} ,

{"zxGponUNIMACBridgePortConfigBridgePort","1.3.6.1.4.1.3902.1012.3.50.15.3.1.2"} ,

{"zxGponUNIMACBridgePortConfigPortPrio","1.3.6.1.4.1.3902.1012.3.50.15.3.1.3"} ,

{"zxGponUNIMACBridgePortConfigPortPathCost","1.3.6.1.4.1.3902.1012.3.50.15.3.1.4"} ,

{"zxGponUNIMACBridgePortConfigPortSpanTreeInd","1.3.6.1.4.1.3902.1012.3.50.15.3.1.5"} ,

{"zxGponUNIMACBridgePortConfigEncapMethod","1.3.6.1.4.1.3902.1012.3.50.15.3.1.6"} ,

{"zxGponUNIMACBridgePortConfigLANFCSInd","1.3.6.1.4.1.3902.1012.3.50.15.3.1.7"} ,

{"zxGponUNIMACBridgePortConfigPortMACAddr","1.3.6.1.4.1.3902.1012.3.50.15.3.1.8"} ,

{"zxGponUNIMACBridgePortConfigEntryStatus","1.3.6.1.4.1.3902.1012.3.50.15.3.1.9"} ,

{"zxGponUNIMACBridgePortConfigOutboundTDPtr","1.3.6.1.4.1.3902.1012.3.50.15.3.1.10"} ,

{"zxGponUNIMACBridgePortConfigInboundTDPtr","1.3.6.1.4.1.3902.1012.3.50.15.3.1.11"} ,

{"zxGponUniMacBridgePortAddrLearnDepth","1.3.6.1.4.1.3902.1012.3.50.15.3.1.12"} ,

{"zxGponUniMacBPortOutboundTdPrf",   "1.3.6.1.4.1.3902.1012.3.50.15.3.1.13"} ,

{"zxGponUniMacBPortInboundTdPrf","1.3.6.1.4.1.3902.1012.3.50.15.3.1.14"} ,

Third-level index: INDEX { zxGponOltIndex, zxGponONTIndex, zxGponUNIIndex }

The code of zxGponUNIIndex is (2 << 16) | (UNI slot << 8) | UNI port

2 indicates the VEIP type.

When creating the VEIP bridge port, you need to specify zxGponUNIMACBridgePortConfigBridgeId.

5.3.10.1 VEIP Bridge Port Configuration

[MIB file]:

Please refer to zxAnGponRmBpConfTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmBpConfBridgeId	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.1	Integer32 (0 .. 65535)	This attribute is set-by-create, indicating the bridge when create an bridge port. The first byte stands for the slot ID, the second byte stands for the bridge ID.(2 bytes)
zxAnGponRmBpConfPortPri	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.2	Integer32 (0 .. 255)	This attribute denotes the priority of the port for use in (rapid) spanning tree algorithms. The range is 0..255.
zxAnGponRmBpConfPortPathCost	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.4	Integer32 (1 .. 65535)	This attribute provides the cost contribution of the port to the path cost towards the spanning tree root bridge. The range is 0x0001 to 0xFFFF (1 to 65535).
zxAnGponRmBpConfPortStpEnable	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.5	INTEGER { enabled (1) , disabled (2) }	This attribute indicates whether or not STP LAN topology change detection is enabled at this port.
zxAnGponRmBpConfPortMacAddr	.1.3.6.1.4.1.3902.1082.500.20.2.4.	MacAddress	This attribute indicates the physical MAC address used by

MIB Variable	OID	MIB Value	Description
	15.1.6		the Port as defined by the TP pointer when the TP Type is set to LAN.
zxAnGponRmBpConfOutPrfName	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.7	DisplayString (SIZE (0 .. 64))	This attribute points to a GEM traffic descriptor that limits the traffic rate leaving the MAC bridge.
zxAnGponRmBpConfInPrfName	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.8	DisplayString (SIZE (0 .. 64))	This attribute points to a GEM traffic descriptor that limits the traffic rate entering the MAC bridge.
zxAnGponRmBpConfAddrLearnDepth	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.9	Integer32 (0 .. 255)	This attribute specifies the maximum number of MAC addresses to be learned by this MAC bridge port. The default value 0 specifies that there is no administratively-imposed limit.
zxAnGponRmBpMacAddrListTotalNum	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.10		Total number of addresses entries related with this port.
zxAnGponRmBpConfEntryRowStatus	.1.3.6.1.4.1.3902.1082.500.20.2.4.15.1.50	RowStatus	

zxAnPonRmOnuIfIndex sets the VEIP interface type.

5.3.10.2   VEIP VLAN Configuration

[MIB file]:

Please refer to zxAnGponRmVlanPortTable, zxAnGponRmVlanPortCmdTable and zxAnGponRmVlanTransTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

Remarks:

If you use VEIP VLAN configurations, the VEIP bridge ports will be created automatically.

5.3.11   Ethernet Port Performance Statistics

5.3.11.1   Enabling/Disabling Ethernet Port Performance Statistics

[MIB file]:

Please refer to zxAnGponRmPerfConfTable defined in **_ZTE-AN-GPON-REMOTE-ONU-PERF-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmPerfType	. 1.3.6.1.4.1.3902 .1082.500.23.2. 2.1.1	INTEGER { fec (1) , gemport (2) , brg (3) , bp (4) , dot1x (5) , raidus (6) , eth (7) , mvlan (8) , vlan (9) , iphost (10) , pw (11) , rtp (12) , sip (13) , mgc (14) , callctrl (15) , voice (16) , uniVoice (17) }	zxAnGponRmPerfType indentified the GPON remote ONU performance monitoring MIB table Type.
zxAnGponRmPerfIndex	. 1.3.6.1.4.1.3902 .1082.500.23.2. 2.1.2	OBJECT IDENTIFIER	The index can be referred from the related current 15 minutes MIB

MIB Variable	OID	MIB Value	Description
			table. The related current 15 minutes MIB table is determined by 'zxAnGponRmPerfType': fec -- zxAnGponRmFecC15MPerfTable gemport -- zxAnGponRmGemPortC15MPerfTable brg -- zxAnGponRmBrgC15MPerfTable bp -- zxAnGponRmBpC15MPerfTable dot1x -- zxAnGponRmDot1xC15MPerfTable raidus -- zxAnGponRmRadiusC15MPerfTable eth -- zxAnGponRmEthC15MPerfTable mvlan -- zxAnGponRmMVlanC15MPerfTable vlan -- zxAnGponRmVlanC15MPerfTable iphost -- zxAnGponRmIphostC15MPerfTable pw -- zxAnGponRmPwC15

MIB Variable	OID	MIB Value	Description

			MPerfTable
			        rtp --
			zxAnGponRmRtpC15
			MPerfTable
			        sip --
			zxAnGponRmSipC15
			MPerfTable
			        mgc --
			zxAnGponRmMgcC1
			5MPerfTable
			        callctrl --
			zxAnGponRmCallCtrl
			C15MPerfTable
			        voice --
			zxAnGponRmVoiceC
			15MPerfTable
			        uniVoice --
			zxAnGponRmUniVoic
			eC15MPerfTable

zxAnGponRmPerf ThreshPrf	. 1.3.6.1.4.1.3902 .1082.500.23.2. 2.1.3	DisplayString (SIZE (0 .. 32))	The performance threshold profile.
zxAnGponRmPerf ConfRowStatus	. 1.3.6.1.4.1.3902 .1082.500.23.2. 2.1.50	RowStatus	

The value of zxAnGponRmPerfMIB is set into eth(7). zxAnGponRmPerfIndex is set into the index of corresponding Ethernet port.

5.3.11.2   Querying Ethernet Port Performance Statistics

[Function description]:

Ethernet port performance statistics can only be queried after the Ethernt port performance statistics is enabled.

5.3.11.2.1   Ethernet Port Performance Statistics in the Current 15 Minutes

[MIB file]:

Please refer to zxAnGponRmEthC15MPerfTable defined in **ZTE-AN-GPON-REMOTE-ONU-PERF-MIB.mib** for the Ethernet port performance statistics in the current 15 minutes.

MIB Variable	OID	Description
zxAnGponRmC15 MRxDropEvents	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 3	This object counts the total number of events in which packets received were dropped due to lack of resources. This is not necessarily the number of packets dropped;it is the number of times this event was detected.
zxAnGponRmC15 MRxOctets	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 4	This object counts the total number of octets received from the CPE, including those in bad packets, excluding framing bytes, but including FCS.
zxAnGponRmC15 MRxPkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 5	This object counts the total number of packets received, including bad packets,broadcast packets and multicast packets.
zxAnGponRmC15 MRxUcastPkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 6	This object counts the total number of unicast frames received.
zxAnGponRmC15 MRxBcastPkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 7	This object counts the total number of received good packets directed to the broadcast address. This does not include multicast packets.
zxAnGponRmC15 MRxMcastPkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 8	This object counts the total number of received good packets directed to a multicast address. This does not include broadcast packets.
zxAnGponRmC15 MRxCrcAlignError s	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 9	The total number of upstream packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and

MIB Variable	OID	Description
		1518 octets,inclusive, but had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error).
zxAnGponRmC15MRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.10	This object counts the total number of packets received that were less than 64 octets long but were otherwise well formed (excluding framing bits, but including FCS).
zxAnGponRmC15MRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.11	The total number of upstream packets received that were longer than 1518 octets (excluding framing bits, but including FCS) and were otherwise well formed. Note- If 2000-byte ethernet frames are supported,counts in this performance parameter are not necessarily errors.
zxAnGponRmC15MRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.12	This object counts the total number of discarded packets received.
zxAnGponRmC15MRxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.13	This object counts the total number of received packets (including bad packets) that were 64 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MRx65To127Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.14	This object counts the total number of received packets (including bad packets) that were 65..127 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MRx128To255Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.15	This objecet counts the total number of packets (including bad packets) received that were 128..255 octets long, excluding framing

MIB Variable	OID	Description
		bits but including FCS.
zxAnGponRmC15MRx256To511Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.16	This object counts the total number of packets (including bad packets) received that were 256..511 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MRx512To1023Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.17	This object counts the total number of packets (including bad packets) received that were 512..1023 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MRx1024To1518Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.18	This object counts The total number of packets (including bad packets) received that were 1024..1518 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MRxPauseFrms	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.19	This object counts the total number of PAUSE frames received.
zxAnGponRmC15MRxErrorOctets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.20	This object counts the total number of error packets bytes received.
zxAnGponRmC15MRxRate	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.21	Received bits per second.
zxAnGponRmC15MRxMcastRate	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.22	Received multicast bits per second.
zxAnGponRmC15MTxDropEvents	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.23	This object counts the total number of events in which packets transmitted were dropped due to lack of resources. This is not necessarily the number of packets dropped;it is the number of times this event was detected.

MIB Variable	OID	Description
zxAnGponRmC15 MTxOctets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.24	This object counts the total number of octets transmitted from the CPE,including those in bad packets, excluding framing bytes, but including FCS.
zxAnGponRmC15 MTxPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.25	This object counts the total number of packets transmitted, including bad packets,broadcast packets and multicast packets.
zxAnGponRmC15 MTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.26	This object counts the total number of unicast frames transmitted.
zxAnGponRmC15 MTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.27	This object counts the total number of transmitted good packets directed to the broadcast address. This does not include multicast packets.
zxAnGponRmC15 MTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.28	This object counts the total number of transmitted good packets directed to a multicast address. This does not include broadcast packets.
zxAnGponRmC15 MTxCrcAlignError s	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.29	The total number of upstream packets transmitted that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets,inclusive, but had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error).
zxAnGponRmC15 MTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.30	This object counts the total number of packets transmitted that were less than 64 octets long but were otherwise well formed (excluding framing bits, but including FCS).
zxAnGponRmC15	.	The total number of upstream packets

MIB Variable	OID	Description
MTxOversizePkts	1.3.6.1.4.1.3902.1082.500.23.2.36.1.31	transmitted that were longer than 1518 octets (excluding framing bits, but including FCS) and were otherwise well formed. Note- If 2000-byte ethernet frames are supported,counts in this performance parameter are not necessarily errors.
zxAnGponRmC15MTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.32	This object counts the total number of discarded packets transmitted.
zxAnGponRmC15MTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.33	This object counts the total number of transmitted packets (including bad packets) that were 64 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MTx65To127Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.34	This object counts the total number of transmitted packets (including bad packets) that were 65..127 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MTx128To255Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.35	This objecet counts the total number of packets (including bad packets) transmitted that were 128..255 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MTx256To511Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.36	This object counts the total number of packets (including bad packets) transmitted that were 256..511 octets long, excluding framing bits but including FCS.
zxAnGponRmC15MTx512To1023Octets	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.37	This object counts the total number of packets (including bad packets) transmitted that were 512..1023 octets long, excluding framing bits but including FCS.
zxAnGponRmC15	.	This object counts The total number of

MIB Variable	OID	Description
MTx1024To1518Octets	1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 38	packets (including bad packets) transmitted that were 1024..1518 octets long, excluding framing bits but including FCS.
zxAnGponRmC15 MTxPauseFrms	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 39	This object counts the total number of PAUSE frames transmitted.
zxAnGponRmC15 MTxErrorOctets	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 40	This object counts the total number of error packets bytes transmitted.
zxAnGponRmC15 MTxRate	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 41	Transmitted bits per second.
zxAnGponRmC15 MTxMcastRate	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 42	Transmitted multicast bits per second.
zxAnGponRmC15 MPppoeFilterFrms	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 43	This object counts the number of frames discarded due to PPPoE filtering.
zxAnGponRmC15 MFragments	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 44	This object counts the total number of packets received that were less than 64 octets long, excluding framing bits but including FCS octets, and had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error). It is entirely normal for this attribute to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
zxAnGponRmC15	.	This object counts the total number of

MIB Variable	OID	Description
MJabbers	1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 45	packets received that were longer than 1518 octets,excluding framing bits but including FCS octets, and had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error). The range to detect jabber is between 20 ms and 150 ms.
zxAnGponRmC15 MCollisions	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 46	This object counts the total number of collisions transmitted (half-duplex Mode).
zxAnGponRmC15 MAlignErrors	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 47	This object counts received frames that were not an integral number of octets in length and did not pass the FCS check.
zxAnGponRmC15 MFcsErrors	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 48	This object counts frames received on a particular interface that were an integral number of octets in length but failed the frame check sequence (FCS) check.
zxAnGponRmC15 MSingleCollisionFr m	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 49	This object counts successfully transmitted frames whose transmission was delayed by exactly one collision.
zxAnGponRmC15 MMultiCollisionFr ms	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 50	This object counts successfully transmitted frames whose transmission was delayed by more than one collision.
zxAnGponRmC15 MSqeTestErrors	. 1.3.6.1.4.1.3902.1 082.500.23.2.36.1. 51	This object counts the number of times that the SQE test error message was generated by the PLS sublayer.
zxAnGponRmC15 MDeferredTxFrms	. 1.3.6.1.4.1.3902.1	This object counts frames whose first transmission attempt was delayed

MIB Variable	OID	Description
	082.500.23.2.36.1.52	because the medium was busy. The count does not include frames involved in collisions.
zxAnGponRmC15MLateCollisions	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.53	This object counts the number of times that a collision was detected later than 512 bit times into the transmission of a packet.
zxAnGponRmC15MExcessCollisions	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.54	This objecet counts frames whose transmission failed due to excessive collisions.
zxAnGponRmC15MInternalMacTxErrs	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.55	This object counts frames whose transmission failed due to an internal MAC sublayer transmit error.
zxAnGponRmC15MInternalMacRxErrs	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.56	This object counts frames whose reception failed due to an internal MAC sublayer receive error.
zxAnGponRmC15MCarrierSenseErrors	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.57	This object counts the number of times that carrier sense was lost or never asserted when attempting to transmit a frame.
zxAnGponRmC15MFrameTooLongs	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.58	This object counts received frames that exceeded the maximum permitted frame size.
zxAnGponRmC15MRxBufOverflows	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.59	This object counts the number of times that the receive buffer overflowed.
zxAnGponRmC15MTxBufOverflows	.1.3.6.1.4.1.3902.1082.500.23.2.36.1.60	This object counts the number of times that the transmit buffer overflowed.

5.3.11.2.2 Ethernet Port Performance Statistics in the Last 15 Minutes

[Function description]:

This MIB only support querying Ethernet port performance statistics in the last 15 minutes.

[MIB file]:

Please refer to zxAnGponRmEthH15MPerfTable defined in ***ZTE-AN-GPON-REMOTE-ONU-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnGponRmH15 MRxDropEvents	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.5	This object counts the total number of events in which packets received were dropped due to lack of resources. This is not necessarily the number of packets dropped;it is the number of times this event was detected.
zxAnGponRmH15 MRxOctets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.6	This object counts the total number of octets received from the CPE, including those in bad packets, excluding framing bytes, but including FCS.
zxAnGponRmH15 MRxPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.7	This object counts the total number of packets received, including bad packets,broadcast packets and multicast packets.
zxAnGponRmH15 MRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.8	This object counts the total number of unicast frames received.
zxAnGponRmH15 MRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.9	This object counts the total number of received good packets directed to the broadcast address. This does not include multicast packets.
zxAnGponRmH15 MRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.10	This object counts the total number of received good packets directed to a multicast address. This does not include broadcast packets.

MIB Variable	OID	Description
zxAnGponRmH15 MRxCrcAlignErrors	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 11	The total number of upstream packets received that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets,inclusive, but had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error).
zxAnGponRmH15 MRxUndersizePkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 12	This object counts the total number of packets received that were less than 64 octets long but were otherwise well formed (excluding framing bits, but including FCS).
zxAnGponRmH15 MRxOversizePkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 13	The total number of upstream packets received that were longer than 1518 octets (excluding framing bits, but including FCS) and were otherwise well formed. Note- If 2000-byte ethernet frames are supported,counts in this performance parameter are not necessarily errors.
zxAnGponRmH15 MRxDiscardPkts	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 14	This object counts the total number of discarded packets received.
zxAnGponRmH15 MRxPkts64Octets	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 15	This object counts the total number of received packets (including bad packets) that were 64 octets long, excluding framing bits but including FCS.
zxAnGponRmH15 MRx65To127Octet s	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 16	This object counts the total number of received packets (including bad packets) that were 65..127 octets long, excluding framing bits but

MIB Variable	OID	Description
		including FCS.
zxAnGponRmH15MRx128To255Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.17	This objecet counts the total number of packets (including bad packets) received that were 128..255 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MRx256To511Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.18	This object counts the total number of packets (including bad packets) received that were 256..511 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MRx512To1023Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.19	This object counts the total number of packets (including bad packets) received that were 512..1023 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MRx1024To1518Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.20	This object counts The total number of packets (including bad packets) received that were 1024..1518 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MRxPauseFrms	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.21	This object counts the total number of PAUSE frames received.
zxAnGponRmH15MRxErrorOctets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.22	This object counts the total number of error packets bytes received.
zxAnGponRmH15MRxRate	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.23	Received bits per second.
zxAnGponRmH15MRxMcastRate	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.24	Received multicast bits per second.
zxAnGponRmH15	.	This object counts the total number of

MIB Variable	OID	Description
MTxDropEvents	1.3.6.1.4.1.3902.1082.500.23.2.37.1.25	events in which packets transmitted were dropped due to lack of resources. This is not necessarily the number of packets dropped;it is the number of times this event was detected.
zxAnGponRmH15MTxOctets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.26	This object counts the total number of octets transmitted from the CPE,including those in bad packets, excluding framing bytes, but including FCS.
zxAnGponRmH15MTxPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.27	This object counts the total number of packets transmitted, including bad packets,broadcast packets and multicast packets.
zxAnGponRmH15MTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.28	This object counts the total number of unicast frames transmitted.
zxAnGponRmH15MTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.29	This object counts the total number of transmitted good packets directed to the broadcast address. This does not include multicast packets.
zxAnGponRmH15MTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.30	This object counts the total number of transmitted good packets directed to a multicast address. This does not include broadcast packets.
zxAnGponRmH15MTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.31	The total number of upstream packets transmitted that had a length (excluding framing bits, but including FCS octets) of between 64 and 1518 octets,inclusive, but had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets

MIB Variable	OID	Description
		(alignment error).
zxAnGponRmH15MTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.32	This object counts the total number of packets transmitted that were less than 64 octets long but were otherwise well formed (excluding framing bits, but including FCS).
zxAnGponRmH15MTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.33	The total number of upstream packets transmitted that were longer than 1518 octets (excluding framing bits, but including FCS) and were otherwise well formed. Note- If 2000-byte ethernet frames are supported,counts in this performance parameter are not necessarily errors.
zxAnGponRmH15MTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.34	This object counts the total number of discarded packets transmitted.
zxAnGponRmH15MTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.35	This object counts the total number of transmitted packets (including bad packets) that were 64 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MTx65To127Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.36	This object counts the total number of transmitted packets (including bad packets) that were 65..127 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MTx128To255Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.37	This objecet counts the total number of packets (including bad packets) transmitted that were 128..255 octets long, excluding framing bits but including FCS.
zxAnGponRmH15MTx256To511Octets	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.38	This object counts the total number of packets (including bad packets) transmitted that were 256..511 octets long, excluding

MIB Variable	OID	Description
		framing bits but including FCS.
zxAnGponRmH15 MTx512To1023Oct ets	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 39	This object counts the total number of packets (including bad packets) transmitted that were 512..1023 octets long, excluding framing bits but including FCS.
zxAnGponRmH15 MTx1024To1518O ctets	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 40	This object counts The total number of packets (including bad packets) transmitted that were 1024..1518 octets long, excluding framing bits but including FCS.
zxAnGponRmH15 MTxPauseFrms	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 41	This object counts the total number of PAUSE frames transmitted.
zxAnGponRmH15 MTxErrorOctets	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 42	This object counts the total number of error packets bytes transmitted.
zxAnGponRmH15 MTxRate	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 43	Transmitted bits per second.
zxAnGponRmH15 MTxMcastRate	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 44	Transmitted multicast bits per second.
zxAnGponRmH15 MPppoeFilterFrms	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 45	This object counts the number of frames discarded due to PPPoE filtering.
zxAnGponRmH15 MFragments	. 1.3.6.1.4.1.3902.1 082.500.23.2.37.1. 46	This object counts the total number of packets received that were less than 64 octets long, excluding framing bits but including FCS octets, and had either a bad frame check sequence (FCS) with an

MIB Variable	OID	Description
		integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error). It is entirely normal for this attribute to increment. This is because it counts both runts (which are normal occurrences due to collisions) and noise hits.
zxAnGponRmH15MJabbers	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.47	This object counts the total number of packets received that were longer than 1518 octets,excluding framing bits but including FCS octets, and had either a bad frame check sequence (FCS) with an integral number of octets (FCS error) or a bad FCS with a non-integral number of octets (alignment error). The range to detect jabber is between 20 ms and 150 ms.
zxAnGponRmH15MCollisions	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.48	This object counts the total number of collisions transmitted (half-duplex Mode).
zxAnGponRmH15MAlignErrors	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.49	This object counts received frames that were not an integral number of octets in length and did not pass the FCS check.
zxAnGponRmH15MFcsErrors	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.50	This object counts frames received on a particular interface that were an integral number of octets in length but failed the frame check sequence (FCS) check.
zxAnGponRmH15MSingleCollisionFrm	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.51	This object counts successfully transmitted frames whose transmission was delayed by exactly one collision."

MIB Variable	OID	Description
zxAnGponRmH15MMultiCollisionFrms	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.52	"This object counts successfully transmitted frames whose transmission was delayed by more than one collision."
zxAnGponRmH15MSqeTestErrors	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.53	This object counts the number of times that the SQE test error message was generated by the PLS sublayer.
zxAnGponRmH15MDeferredTxFrms	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.54	This object counts frames whose first transmission attempt was delayed because the medium was busy. The count does not include frames involved in collisions.
zxAnGponRmH15MLateCollisions	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.55	This object counts the number of times that a collision was detected later than 512 bit times into the transmission of a packet.
zxAnGponRmH15MExcessCollisions	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.56	This objecet counts frames whose transmission failed due to excessive collisions.
zxAnGponRmH15MInternalMacTxErrs	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.57	This object counts frames whose transmission failed due to an internal MAC sublayer transmit error.
zxAnGponRmH15MInternalMacRxErrs	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.58	This object counts frames whose reception failed due to an internal MAC sublayer receive error.
zxAnGponRmH15MCarrierSenseErrors	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.59	This object counts the number of times that carrier sense was lost or never asserted when attempting to transmit a frame.
zxAnGponRmH15MFrameTooLongs	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.60	This object counts received frames that exceeded the maximum permitted frame size.

MIB Variable	OID	Description
zxAnGponRmH15 MRxBufOverflows	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.61	This object counts the number of times that the receive buffer overflowed.
zxAnGponRmH15 MTxBufOverflows	.1.3.6.1.4.1.3902.1082.500.23.2.37.1.62	This object counts the number of times that the transmit buffer overflowed.

5.4 Configuration Process Examples

5.4.1 GPON HIS Service

5.4.1.1 Configuration Data

Item	Data
T-CONT bandwidth profile	Name:T1-20M Type1 fixed 20M
ONU	Slot 3 olt 1 onu 1 Type ZTE-F622 register mode : sn ZTEG00000001
T-CONT	Index 1 Link profile T1-20M
GEM-Port	Index 1 Link T-CONT 1
Service mapping	Name: internet Link GEM-Port 1 ServiceMapType:VLAN ServiceMapVlan:100
VLAN	vlanPortMode:hybrid untag add pvid at ethUni, then vlan 10 translate to vlan 100.

5.4.1.2   Configuration Procedure
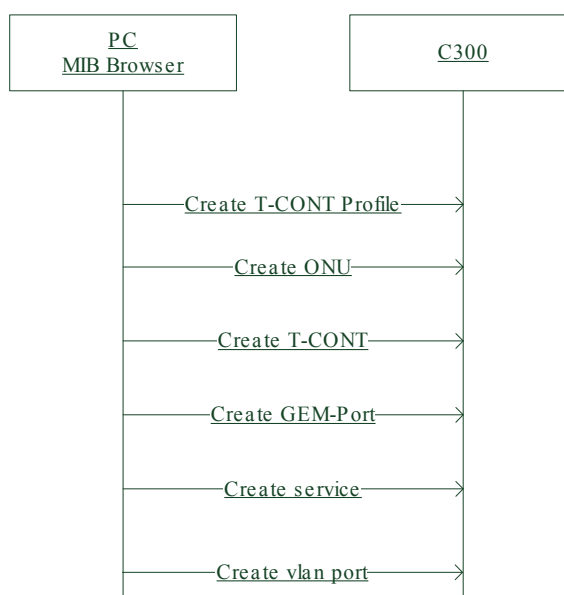
In CLI case:

ZXAN(config-gpon)#profile tcont T1-20M Type 1 fixed 20000

ZXAN(config-if)#onu 1 Type ZTE-F622 sn ZTEG00000001

ZXAN(config-if)#tcont 1 profile T1-20M

ZXAN(config-if)#gemport 1 tcont 1

ZXAN(gpon-onu-mng)#service internet gemport 1 vlan 100

ZXAN(gpon-onu-mng)#vlan port eth_0/1 mode hybrid def-vlan 10

ZXAN(gpon-onu-mng)#vlan port eth_0/1 vlan 10

ZXAN(gpon-onu-mng)#vlan port eth_0/1 translate vlan 10 svlan 100

STEP	MIB Variable	Parameter
Create T-CONT bandwidth profile	zxAnGponSrvBwPrfName	T1-20M profile name
	zxAnGponSrvBwPrfFixed	20000 rate 20Mbps

STEP	MIB Variable	Parameter	
	zxAnGponSrvBwPrfAssured	0	
	zxAnGponSrvBwPrfMaximum	0	
	zxAnGponSrvBwPrfType	1	fixed bandwidth
	zxAnGponSrvBwPrfRowStatus	4	Creation
Create ONU	zxAnGponOnuMgmtTypeName	ZTE-F622	ONU Type
	zxAnGponOnuMgmtRegMode	1	registration mode:SN
	zxAnGponOnuMgmtSn	Hex format number for ONU SN,e.g.ZTEG00000001 means '5a:54:45:47:00:00:00:01'	
	zxAnGponOnuMgmtRowStatus	4	creation
Create T-CONT	zxAnGponSrvTcontIndex	1	T-CONT ID
	zxAnGponSrvTcontBwPrfName	T1-20M	T-CONT bandwidth profile name
	zxAnGponSrvTcontRowStatus	4	creation
Create GEM-Port	zxAnGponSrvGemPortIndex	1	GEM-Port ID
	zxAnGponSrvGemPortTcontIndex	1	associated T-CONT ID
	zxAnGponSrvGemPortRowStatus	4	creation
Create service mapping	zxAnGponRmServiceName	internet	
	zxAnGponRmServiceGemPort	1	associated GEM-Port ID
	zxAnGponRmServiceMapType	2	vlan
	zxAnGponRmServiceMapVid	100	
	zxAnGponRmServiceRowStatus	4	creation

STEP	MIB Variable	Parameter	
Create VLAN	zxAnGponRmVlanPortMode	3	hybrid
	zxAnGponRmVlanPortDefaultVid	10	
	zxAnGponRmVlanPortCmd	1	addVlan
	zxAnGponRmVlanPortVid	10	
	zxAnGponRmVlanTransUserVid	10	
	zxAnGponRmVlanTransUserCos	8	any Cos
	zxAnGponRmVlanTransSVid	100	
	zxAnGponRmVlanTransStagCos	8 Cos	copy from user
	zxAnGponRmVlanTransRowStatus	4	creation

5.4.2　GPON VOIP

5.4.2.1　SIP

5.4.2.1.1　Configuration Data

Item	Data
T-CONT bandwidth profile	Name:T1-20M Type1 fixed 20M
ONU	Slot 3 olt 1 onu 1 Type ZTE-F622 register mode : sn ZTEG00000001
T-CONT	Index 1 Link profile T1-20M
GEM-Port	Index 1 Link T-CONT 1
Service mapping	Name: voip Link GEM-Port 1

Item	Data
	ServiceMapType:VLAN ServiceMapVlan:200
VoIP（SIP）	SignalProtocolUsed:SIP VLAN 200 ONT IP: 10.40.110.101, Mask: 255.255.255.0, Gateway：10.40.110.254 POTS1: AOR：66660050 Username：66660050 Password：123 POTS2: AOR：66660051 Username：66660051 Password：123

5.4.2.1.2 Configuration Procedure
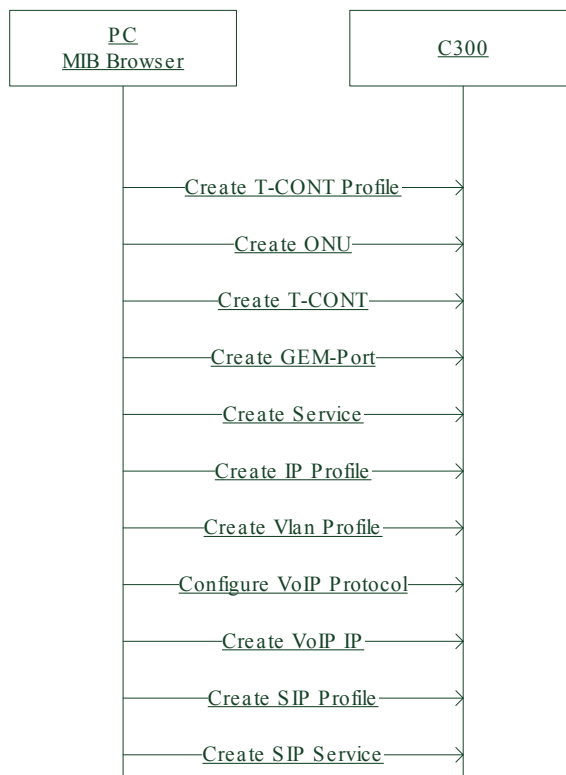
In CLI case：

PON configuration is the same as 10.1.2.

ZXAN(gpon-onu-mng)#service voip gemport 1 vlan 200

ZXAN(config-gpon)#onu profile ip ipProfile gateway 10.40.110.254

ZXAN(config-gpon)#onu profile vlan vlanProfile tag-mode tag cvlan 200

ZXAN(gpon-onu-mng)#voip protocol sip

ZXAN(gpon-onu-mng)#voip-ip mode static ip-profile ipProfile ip-address 10.40.110.101 mask 255.255.255.0 vlan-profile vlanProfile

ZXAN(config-gpon)#onu profile sip sipProfile proxy 10.40.123.25

ZXAN(gpon-onu-mng)#sip-service pots_0/1 profile sipProfile userid 66660050
username 66660050 password 123

ZXAN(gpon-onu-mng)#sip-service pots_0/2 profile sipProfile userid 66660051
username 66660051 password 123

Steps	MIB Variable	Parameter	
Create service	zxAnGponRmServiceName	voip	
	zxAnGponRmServiceGemPort	1	associated GEM-Port ID
	zxAnGponRmServiceMapType	2	vlan
	zxAnGponRmServiceMapVid	200	
	zxAnGponRmServiceRowStatus	4	creation
Create IP profile	zxAnGponRmIpPrfName	ipProfile	
	zxAnGponRmIpGateway	'0a:28:6e:fe' 10.40.110.254	
	zxAnGponRmIpPrfRowStatus	4	creation
Create VLAN profile	zxAnGponRmVlanPrfName	vlanProfile	
	zxAnGponRmVlanPrfTagMode	1	tag
	zxAnGponRmVlanPrfCVid	200	
	zxAnGponRmVlanPrfRowStatus	4	creation
Configure VoIP protocol	zxAnGponRmVoipSignalProtoUsed	2	sip
Create VoIP IP	zxAnGponRmVoipIpMode	1	static
	zxAnGponRmVoipIpPrf	ipProfile	
	zxAnGponRmVoipVlanPrf	vlanProfile	
	zxAnGponRmVoipIpAddr	'0a:28:6e:65' 10.40.110.101	
	zxAnGponRmVoipIpAddrPfxLen	24 255.255.255.0	
	zxAnGponRmVoipIpConfRowStatus	4	creation

Steps	MIB Variable	Parameter	
Create SIP profile	zxAnGponRmSipPrfName	sipProfile	
	zxAnGponRmSipProxyAddr	'0a:28:7b:19' 10.40.123.25	
	zxAnGponRmSipPrfRowStatus	4	creation
Create SIP service	zxAnPonRmOnuUniIndex	1 (index)	
	zxAnGponRmSipPrf	sipProfile	
	zxAnGponRmSipUserId	66660050	
	zxAnGponRmSipUsername	66660050	
	zxAnGponRmSipPassword	123	
	zxAnGponRmSipRowStatus	4	creation
	zxAnPonRmOnuUniIndex	2 (index)	
	zxAnGponRmSipPrf	sipProfile	
	zxAnGponRmSipUserId	66660051	
	zxAnGponRmSipUsername	66660051	
	zxAnGponRmSipPassword	123	
	zxAnGponRmSipRowStatus	4	creation

5.4.2.2 H.248

5.4.2.2.1 Configuration Data

Item	Data
T-CONT bandwidth profile	Name:T1-20M Type1 fixed 20M
ONU	Slot 3 olt 1 onu 1 Type ZTE-F622 register mode : sn ZTEG00000001
T-CONT	Index 1 Link profile T1-20M
GEM-Port	Index 1 Link T-CONT 1
Service	Name: voip Link GEM-Port 1 ServiceMapType:VLAN

Item	Data
	ServiceMapVlan:200
VoIP（H.248）	SignalProtocolUsed: H.248 VLAN: 200 ONT IP: 10.40.110.101, Mask: 255.255.255.0, Gateway：10.40.110.254 Server: 10.63.198.200 user-tid: AG589, postfix-len:5, postfix-start:1 rtp-tid：RTP, postfix-len:3, postfix-start:0

5.4.2.2.2　Configuration Procedure
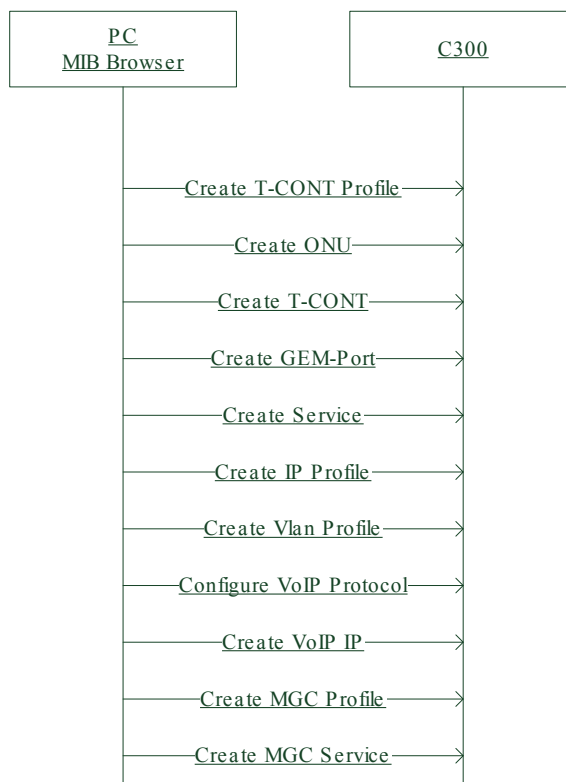
In CLI case：

PON configuration is same as 10.1.2.

ZXAN(gpon-onu-mng)#service voip gemport 1 vlan 200

ZXAN(config-gpon)#onu profile ip ipProfile gateway 10.40.110.254

ZXAN(config-gpon)#onu profile vlan vlanProfile tag-mode tag cvlan 200

ZXAN(gpon-onu-mng)#voip protocol h248 domain domain1

ZXAN(gpon-onu-mng)#voip-ip mode static ip-profile ipProfile ip 10.40.110.101 mask 255.255.255.0 vlan-profile vlanProfile

ZXAN(config-gpon)#onu profile mgc mgcProfile server1 10.63.198.200

ZXAN(config-gpon)#onu profile mgc mgcProfile user-tid prefix AG589 postfix-len 5 postfix-start 1

ZXAN(config-gpon)#onu profile mgc mgcProfile rtp-tid prefix RTP postfix-len 3 postfix-start 0

ZXAN(gpon-onu-mng)#mgc-service pots_0/1 profile mgcProfile

Steps	MIB Variable	Parameter
Create service	zxAnGponRmServiceName	voip
	zxAnGponRmServiceGemPort	1　　　　　associated GEM-Port ID
	zxAnGponRmServiceMapType	2　　　　　　　vlan
	zxAnGponRmServiceMapVid	200
	zxAnGponRmServiceRowStatus	4　　　　　creation
Create IP profile	zxAnGponRmIpPrfName	ipProfile
	zxAnGponRmIpGateway	'0a:28:6e:fe' 10.40.110.254
	zxAnGponRmIpPrfRowStatus	4　　　　　creation
Create VLAN profile	zxAnGponRmVlanPrfName	vlanProfile
	zxAnGponRmVlanPrfTagMode	1　　　　　tag
	zxAnGponRmVlanPrfCVid	200
	zxAnGponRmVlanPrfRowStatus	4　　　　　creation
Configure VoIP protocol	zxAnGponRmVoipSignalProtoUsed	3　　　　　h248
	zxAnGponRmVoipDomainNa	domain1

Steps	MIB Variable	Parameter	
	me		
Create VoIP IP	zxAnGponRmVoipIpMode	1	static
	zxAnGponRmVoipIpPrf	ipProfile	
	zxAnGponRmVoipVlanPrf	vlanProfile	
	zxAnGponRmVoipIpAddr	'0a:28:6e:65' 10.40.110.101	
	zxAnGponRmVoipIpAddrPfxLen	24 255.255.255.0	
	zxAnGponRmVoipIpConfRowStatus	4	creation
Create MGC profile	zxAnGponRmMgcPrfName	mgcProfile	
	zxAnGponRmMgcPrimarySvr	'0a:28:7b:19' 10.40.123.25	
	zxAnGponRmMgcUserTidAssignPolicy	2	specified
	zxAnGponRmMgcUserTidPrefix	AG589	
	zxAnGponRmMgcUserTidDigitLen	5	
	zxAnGponRmMgcUserTidDigitStartNo	1	
	zxAnGponRmMgcRtpTidAssignPolicy	2	specified
	zxAnGponRmMgcRtpTidPrefix	RTP	
	zxAnGponRmMgcRtpTidDigitLen	3	
	zxAnGponRmMgcRtpTidDigitStartNo	0	
	zxAnGponRmMgcPrfRowStatus	4	creation
Create MGC service	zxAnPonRmOnuUniIndex	1 (index)	

6 DSL Services

6.1 ADSL Configuration

6.1.1 Create Line Profile

[Function]:

Create ADSL Line Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ADSL-DMT-LINE-MIB.mib ZTE-AN-ADSL-LINE-MIB.mib

Create Adsl line profile, the big network to the network element set only adslLineConfProfileRowStatus. Set rowstatus value of 4, other mibs of the profiles will be assigned as default values.

MIB Variable/ OID	Type	Description
adslLineConfProfileName （index） 1.3.6.1.2.1.10.94.1.1.14.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters.
adslLineConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.14.1.30	RowStatus	Set rowstatus value of 4.
adslAtucConfRateMode 1.3.6.1.2.1.10.94.1.1.14.1.2	INTEGER	[fix(1),adaptAtStart(2), adaptAtRun(3)](Def:2) Defines what form of transmit rate adaptation is configured on this modem.
adslAtucConfRateChanRatio 1.3.6.1.2.1.10.94.1.1.14.1.3	INTEGER	[0-100](Def:0), take the default value Configured allocation ratio of excess transmit bandwidth between fast and interleaved channels. Only applies when two channel

MIB Variable/ OID	Type	Description
		mode and RADSL are supported.
adslAtucConfTargetSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.4	INTEGER	[0-310](Def:60) take the default value，Unit 0.1db Configured atuc Target Signal /Noise Margin.
adslAtucConfMaxSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.5	INTEGER	[0-310](Def:310), take the default value Configured atuc Maximum acceptable Signal/Noise Margin.
adslAtucConfMinSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.6	INTEGER	[0-310](Def:0)，take the default value atuc Minimum acceptable Signal/Noise Margin.
adslAtucConfDownshiftSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.7	INTEGER	[0-310](Def:0)，take the default value atuc Signal/Noise Margin for rate downshift.
adslAtucConfUpshiftSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.8	INTEGER	[0-310](Def:0)，take the default value atuc Signal/Noise Margin for rate upshift.
adslAtucConfMinUpshiftTime 1.3.6.1.2.1.10.94.1.1.14.1.9	INTEGER	[0-16383](Def:0), take the default value atuc Minimum time that the current margin is above UpshiftSnrMgn before an upshift occurs.
adslAtucConfMinDownshiftTime 1.3.6.1.2.1.10.94.1.1.14.1.10	INTEGER	[0-16383](Def:0)，take the default value atuc Minimum time that the current margin is below DownshiftSnrMgn before a downshift occurs.
adslAtucChanConfFastMinTxRate 1.3.6.1.2.1.10.94.1.1.14.1.11	Unsigned32	[0-102400](Def:0) take the default value，Unit kbps

MIB Variable/ OID	Type	Description
		atuc Minimum Transmit rate for `Fast' channels.
adslAtucChanConfInterleaveMinTxRate 1.3.6.1.2.1.10.94.1.1.14.1.12	Unsigned32	[0-102400](Def:0) take the default value，Unit kbps atuc Minimum Transmit rate for `Interleave' channels.
adslAtucChanConfFastMaxTxRate 1.3.6.1.2.1.10.94.1.1.14.1.13	Unsigned32	[0-102400](Def:1024) take the default value，Unit kbps atuc Maximum Transmit rate for `Fast' channels.
adslAtucChanConfInterleaveMaxTxRate 1.3.6.1.2.1.10.94.1.1.14.1.14	Unsigned32	[0-102400](Def:1024) take the default value，Unit kbps Atuc Maximum Transmit rate for `Interleave' channels.
adslAtucChanConfMaxInterleaveDelay 1.3.6.1.2.1.10.94.1.1.14.1.15	INTEGER	[0-255](Def:8), take the default value atuc maximum Interleave Delay for this channel.
adslAturConfRateMode 1.3.6.1.2.1.10.94.1.1.14.1.16	INTEGER	[fixed(1),adaptAtStartup(2),adaptAtRuntime(3)](Def:2) take the default value transmit rate adaptation is configured on this modem.
adslAturConfRateChanRatio 1.3.6.1.2.1.10.94.1.1.14.1.17	INTEGER	[0-100](Def:0) allocation ratio of excess transmit bandwidth between fast and interleaved channels.
adslAturConfTargetSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.18	INTEGER	[0-310](Def:60) take the default value，Unit 0.1db atur Target Signal/Noise Margin.
adslAturConfMaxSnrMgn	INTEGER	[0-310](Def:310)

MIB Variable/ OID	Type	Description
1.3.6.1.2.1.10.94.1.1.14.1.19		atur Maximum acceptable Signal/Noise Margin.
adslAturConfMinSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.20	INTEGER	[0-310](Def:0) atur Minimum acceptable Signal/Noise Margin.
adslAturConfDownshiftSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.21	INTEGER	[0-310](Def:0) atur Signal/Noise Margin for rate downshift.
adslAturConfUpshiftSnrMgn 1.3.6.1.2.1.10.94.1.1.14.1.22	INTEGER	[0-310](Def:0) atur Signal/Noise Margin for rate upshift.
adslAturConfMinUpshiftTime 1.3.6.1.2.1.10.94.1.1.14.1.23	INTEGER	[0-16383](Def:0) atur Minimum time that the current margin is above UpshiftSnrMgn before an upshift occurs.
adslAturConfMinDownshiftTime 1.3.6.1.2.1.10.94.1.1.14.1.24	INTEGER	[0-16383](Def:0) atur Minimum Transmit rate for `Fast' channels.
adslAturChanConfFastMinTxRate 1.3.6.1.2.1.10.94.1.1.14.1.25	Unsigned32	[0-10240](Def:0) Configured Minimum Transmit rate for `Fast' channels,in kbps.
adslAturChanConfInterleaveMinTxRate 1.3.6.1.2.1.10.94.1.1.14.1.26	Unsigned32	[0-10240](Def:0) Configured Minimum Transmit rate for `Interleave' channels, in kbps.
adslAturChanConfFastMaxTxRate 1.3.6.1.2.1.10.94.1.1.14.1.27	Unsigned32	[0-10240](Def:512) Configured Maximum Transmit rate for `Fast' channels, in kbps.
adslAturChanConfInterleaveMaxTxRate 1.3.6.1.2.1.10.94.1.1.14.1.28	Unsigned32	[0-10240](Def:512) Configured Maximum Transmit rate for `Interleave' channels, in kbps.
adslAturChanConfMaxInterleaveDelay	INTEGER	[0-255](Def:8) Configured maximum

MIB Variable/ OID	Type	Description
1.3.6.1.2.1.10.94.1.1.14.1.29		Interleave Delay for this channel.
adslAtucDMTConfFreqBins 1.3.6.1.2.1.10.94.1.1.16.1.1.14.1.1	OCTET STRING	A string of 32 bits to enable/disable the incoming DMT frequency bins that the ATU-C receiver monitors. bit set to 1 disables reception of the specified sub-carrier frequency bin and a 0 enables reception.
adslAturDMTConfFreqBins 1.3.6.1.2.1.10.94.1.1.16.1.1.14.1.2	OCTET STRING	Full value of 0, 64 bytes.
adslLineDMTConfEOC 1.3.6.1.2.1.10.94.1.1.16.1.1.14.1.3	INTEGER	[byte(1),streaming(2)] (Def:1) Defines the embedded operations channel mode for the DMT ADSL line.
adslConfProfileLineType 1.3.6.1.2.1.10.94.3.1.22.1.1	INTEGER	[noChannel(1),fastOnly(2),interleavedOnly(3),fastOrInte rleaved(4),fastAndInterleaved(5)](Def:2) This object is used to configure the ADSL physical line mode.
zxAnAdslLineConfTxStartBin 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.1	INTEGER	[0-64]Specifies lowest bin number allowed for transmitted signal. Different line coding type has different default value. 0x20: default for Annex A only. 0x20:default for ADSL2/ADS L2 plus. 0x06: default for Annex A, G.Span and/or G.Span+ are also defined.

MIB Variable/ OID	Type	Description
		0x40: default for Annex B. 0x06: default for Annex C/C.x. 0x06: default for G.Span. 0x06: default for G.Span+. Def:32
zxAnAdslLineConfTxEndBin 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.2	INTEGER	[0-512]Specifies highest bin number allowed for transmitted signal. 0x3f: default for all Annexes and ADSL2/ADSL2+. Def:63
zxAnAdslLineConfRxStartBin 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.3	INTEGER	[0-64]Specifies lowest bin number allowed for received signal. Different line coding type has different default value. 0x06: default for Annex A. 0x01: default for Annex B. 0x06: default for Annex C/C.x. 0x06: efault for G.SpanADSL+. 0x06: default for G.Span+. 0x06: default for ADSL2/ADLS2+. Def:6
zxAnAdslLineConfRxEndBin 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.4	INTEGER	[0-512]Specifies highest bin number allowed for received signal. 0x3f: default for all Annexes and ADSL2/ADLS2+. Def:63
zxAnAdslLineConfUseCustomBins1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.5	INTEGER	Enable(1)/disable(2) custom bin selection for upstream/downstream. This parameter is used in

MIB Variable/ OID	Type	Description
		conjunction with the adslAtucDMTConfFreqBins and dslAturDMTConfFreqBins Def: disabled(2)
zxAnAdslLineConfPMMode 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.6	BITS	This configuration parameter defines the line states the ATU-C may autonomously transition to on this line Bit 0 L3 state (Idle state) Bit 1 L1/L2 state (Low power state).
zxAnAdslLineConfPML2Rate 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.7	INTEGER	[256-1024]PM configuration parameter, related to the L2 low power state. This parameter specifies the minimum net data rate during the low power state (L2). Def:512
zxAnAdslLineConfMinProtectionDs1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.8	INTEGER	Minimum impulse noise protection on Downstream direction. The minimum impulse noise protection for the bearer channel, expressed in symbols. autoAdaption(1), noProtection(2), halfSymbol(3), singleSymbol(4), twoSymbols(5), fourSymbols(6), eightSymbols(7), sixteenSymbols(8) Def: halfSymbol(3)
zxAnAdslLineConfMinProtection	INTEGER	Minimum Impulse Noise

MIB Variable/ OID	Type	Description
Us1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.9		Protection on Upstream direction. The minimum impulse noise protection for the bearer channel,expressed in symbols. autoAdaption(1), noProtection(2), halfSymbol(3), singleSymbol(4), twoSymbols(5), fourSymbols(6), eightSymbols(7), sixteenSymbols(8) Def: halfSymbol
zxAnAdslLineConfDMTConfTrellis 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.10	INTEGER	Enable(1)/disable(2) trellis coding.Trellis coding should always be enabled for its clear performance advantage. Trellis coding is mandatory for ADSL/ADSL2plus. The value enable(1) is default for all Annexes and ADSL2/ADSL2+. Def: enabled(1)
zxAnAdslLineConfMaxBitsPerBin 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.11	INTEGER	[0-15]Specifies maximum received number of bits per bin. Def:15
zxAnAdslLineConfBitSwapDs 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.12	INTEGER	Enable/disabledownstream bit swapping.Different line coding type has different default value. enabled(1): default for Annex A. disabled(2): default for ADSL2/ADLS2+, Annex B, Annex C/C.x,

MIB Variable/ OID	Type	Description
		G.Span/ADSL+ and G.Span+. Def: disabled(2)
zxAnAdslLineConfBitSwapUs 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.13	INTEGER	Enable/disable upstream bit swapping. Different line coding type has different default value. enabled(1): default for Annex A. disabled(2): default for ADSL2/ADLS2+, Annex B, Annex C/C.x, G.Span/ADSL+ and G.Span+. Def: disabled
zxAnAdslLineConfReAdsl2Enable 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.14	INTEGER	Enable(1)/disable(2) downstream RE-ADSL2 operation should be forced by the ATU-C. Def: disabled(2)
zxAnAdslLineConfPmL0Time 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.15	INTEGER	[0-255]PM configuration parameter, related to the L2 low power state. This parameter represents the minimum time between an exit from the L2 state and the next entry into the L2 state. Def:240
zxAnAdslLineConfPmL2Time 1.3.6.1.4.1.3902.1082.130.1.2.2.2.1.16	INTEGER	[0-255]PM configuration parameter,related to the L2 low power state. This parameter represents the minimum time between an entry into the L2 state and the first Power Trim in the L2 state and between two consecutive Power Trims in the L2 State.

MIB Variable/ OID	Type	Description
		Def:120
zxAnAdslLineConfPmL2Atpr 1.3.6.1.4.1.3902.1082.130.1.2.2 .2.1.17	INTEGER	[0-31]PM configuration parameter,related to the L2 low power state. This parameter represents the Maximum Aggregate Transmit Power Reduction (in dB) that can be performed through a single Power Trim in the L2 state. It ranges from 0 dB to 31 dB. Def:3
zxAnAdslLineConfPsdMaskSelectUs 1.3.6.1.4.1.3902.1082.130.1.2.2 .2.1.18	INTEGER	The selected upstream PSD mask. This parameter is used only for annexes J and M of G.992.3 and G.992.5, and the same selection is used for all relevant enabled bits in adslLineTransAtucConfig of ADSL-LINE-EXT-MIB. adlu32Eu32 (1) - ADLU-32 / EU-32 adlu36Eu36 (2) - ADLU-36 / EU-36 adlu40Eu40 (3) - ADLU-40 / EU-40 adlu44Eu44 (4) - ADLU-44 / EU-44 adlu48Eu48 (5) - ADLU-48 / EU-48 adlu52Eu52 (6) - ADLU-52 / EU-52 adlu56Eu56 (7) - ADLU-56 / EU-56 adlu60Eu60 (8) - ADLU-60 / EU-60 adlu64Eu64 (9) - ADLU-64

MIB Variable/ OID	Type	Description
		/ EU-61 Def: adlu32Eu32(1)

6.1.2 Create Alarm Profile

[Function]:

Create ADSL Alarm Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ZTE-AN-ADSL-LINE-MIB.mib

Create Adsl alarm profile, the big network to the network element set only adslLineAlarmConfProfileRowStatus. Set rowstatus value of 4, other mibs of the profiles will be assigned as default values.

MIB Variable/ OID	Type	Description
adslLineAlarmConfProfileName（index） 1.3.6.1.2.1.10.94.1.1.15.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters.
adslLineAlarmConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.15.1.20	RowStatus	Set rowstatus value of 4.
adslAtucThresh15MinLofs 1.3.6.1.2.1.10.94.1.1.15.1.2	INTEGER	[0-900]The number of Loss of Frame Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAtucPerfLofsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAtucThresh15MinLoss 1.3.6.1.2.1.10.94.1.1.15.1.3	INTEGER	[0-900]The number of Loss of Signal Seconds encountered

MIB Variable/ OID	Type	Description
		by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAtucPerfLossThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAtucThresh15MinLols 1.3.6.1.2.1.10.94.1.1.15.1.4	INTEGER	[0-900]The number of Loss of Link Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAtucPerfLolsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAtucThresh15MinLprs 1.3.6.1.2.1.10.94.1.1.15.1.5	INTEGER	[0-900]The number of Loss of Power Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAtucPerfLprsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAtucThresh15MinESs 1.3.6.1.2.1.10.94.1.1.15.1.6	INTEGER	[0-900]The number of Errored Seconds encountered by an ADSL interface within any given 15 minutes performance data collection

MIB Variable/ OID	Type	Description
		period, which causes the SNMP agent to send an adslAtucPerfESsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAtucThreshFastRateUp 1.3.6.1.2.1.10.94.1.1.15.1.7	Unsigned32	[0-65535]Applies to `Fast' channels only. Configured change in rate causing an adslAtucRateChangeTrap. A trap is produced when: ChanCurrTxRate >= ChanPrevTxRate plus the value of this object. A value of `0' will disable the trap.
adslAtucThreshInterleaveRateUp 1.3.6.1.2.1.10.94.1.1.15.1.8	Unsigned32	[0-65535]Applies to `Interleave' channels only. Configured change in rate causing an adslAtucRateChangeTrap. A trap is produced when: ChanCurrTxRate >= ChanPrevTxRate plus the value of this object. A value of `0' will disable the trap.
adslAtucThreshFastRateDown 1.3.6.1.2.1.10.94.1.1.15.1.9	Unsigned32	[0-65535]Applies to `Fast' channels only. Configured change in rate causing an adslAtucRateChangeTrap. A trap is produced when: ChanCurrTxRate <= ChanPrevTxRate minus the value of this object. A value of `0' will disable the trap.
adslAtucThreshInterleaveRateDown 1.3.6.1.2.1.10.94.1.1.15.1.10	Unsigned32	[0-65535]Applies to `Interleave' channels only. Configured change in rate causing an

MIB Variable/ OID	Type	Description
		adslAtucRateChangeTrap. A trap is produced when: ChanCurrTxRate <= ChanPrevTxRate minus the value of this object. A value of `0' will disable the trap.
adslAtucInitFailureTrapEnable 1.3.6.1.2.1.10.94.1.1.15.1.11	INTEGER	Enables(1) and disables(2) the InitFailureTrap.This object is defaulted disable(2). Def: disable(2)
adslAturThresh15MinLofs 1.3.6.1.2.1.10.94.1.1.15.1.12	INTEGER	[0-900]The number of Loss of Frame Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAturPerfLofsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAturThresh15MinLoss 1.3.6.1.2.1.10.94.1.1.15.1.13	INTEGER	[0-900]The number of Loss of Signal Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAturPerfLossThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAturThresh15MinLprs 1.3.6.1.2.1.10.94.1.1.15.1.14	INTEGER	[0-900]The number of Loss of Power Seconds encountered by an ADSL interface within any given 15 minutes performance data collection

MIB Variable/ OID	Type	Description
		period, which causes the SNMP agent to send an adslAturPerfLprsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAturThresh15MinESs 1.3.6.1.2.1.10.94.1.1.15.1.15	INTEGER	[0-900]The number of Errored Seconds encountered by an ADSL interface within any given 15 minutes performance data collection period, which causes the SNMP agent to send an adslAturPerfESsThreshTrap. One trap will be sent per interval per interface. A value of `0' will disable the trap.
adslAturThreshFastRateUp 1.3.6.1.2.1.10.94.1.1.15.1.16	Unsigned32	[0-65535]Applies to `Fast' channels only. Configured change in rate causing an adslAturRateChangeTrap. A trap is produced when: ChanCurrTxRate >= ChanPrevTxRate plus the value of this object. A value of `0' will disable the trap.
adslAturThreshInterleaveRateUp 1.3.6.1.2.1.10.94.1.1.15.1.17	Unsigned32	[0-65535]Applies to `Interleave' channels only. configured change in rate causing an adslAturRateChangeTrap. A trap is produced when: ChanCurrTxRate >= ChanPrevTxRate plus the value of this object. A value of `0' will disable the trap.
adslAturThreshFastRateDown	Unsigned32	[0-65535]Applies to `Fast'

MIB Variable/ OID	Type	Description
1.3.6.1.2.1.10.94.1.1.15.1.18		channels only. Configured change in rate causing an adslAturRateChangeTrap. A trap is produced when: ChanCurrTxRate <= ChanPrevTxRate minus the value of this object. A value of `0' will disable the trap.
adslAturThreshInterleaveRateDown 1.3.6.1.2.1.10.94.1.1.15.1.19	Unsigned32	[0-65535]Applies to `Interleave' channels only. Configured change in rate causing an adslAturRateChangeTrap. A trap is produced when: ChanCurrTxRate <= ChanPrevTxRate minus the value of this object. A value of `0' will disable the trap.
zxAnAdslAtucConnRateTolerance 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.1	INTEGER	[0-100]Tolerance between adslAtucChanConfInterleave MaxTxRate and adslAtucChanCurrTxRate. Value '0' will disable the trap. Def:0
zxAnAdslAturConnRateTolerance 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.2	INTEGER	[0-100]Tolerance between adslAturChanConfInterleave MaxTxRate and adslAturChanCurrTxRate. Value '0' will disable the trap. Def:0
zxAnAdslAtucThreshConnRate 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.3	INTEGER	[0-100000]ATUC connection rate threshold. If dslAtucChanCurrTxRate is lower than zxAnAdslAtucThreshConnRate, zxAnAdslAtucLowConnRateAlm will be sent. Value '0' will disable the trap.

MIB Variable/ OID	Type	Description
		Def:0
zxAnAdslAturThreshConnRate 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.4	INTEGER	[0-100000]ATUR connection rate threshold. If adslAturChanCurrTxRate is lower than zxAnAdslAturThreshConnRate, zxAnAdslAturLowConnRateAlm will be sent. Value '0' will disable the trap. Def:0
zxAnAdslMaxAtucConnRateTolerance 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.5	INTEGER	[0-100]Tolerance between adslAtucChanConfInterleave MaxTxRate and adslAtucChanCurrTxRate. Value '0' will disable the trap. Def:0
zxAnAdslMaxAturConnRateTolerance 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.6	INTEGER	[0-100]Tolerance between adslAturChanConfInterleave MaxTxRate and adslAturChanCurrTxRate. Value '0' will disable the trap. Def:0
zxAnAdslMaxThreshAtucConnRate 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.7	INTEGER	[0-100000]ATUC maximum connection rate threshold. If adslAtucChanCurrTxRate is higher than zxAnAdslMaxThreshAtucConnRate, zxAnAdslAtucHighConnRateAlm will be sent. Value '0' will disable the trap. Def:0
zxAnAdslMaxThreshAturConnRate 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.8	INTEGER	[0-100000]ATUR maxmimum connection rate threshold. If adslAturChanCurrTxRate is higher than zxAnAdslMaxThreshAturConnRate,

MIB Variable/ OID	Type	Description
		zxAnAdslAturHighConnRateAlm will be sent. Value '0' will disable the trap. Def:0
zxAnAdslAturInitFailTrapEnable 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.9	BITS	Enable/disable the InitFailureTrap on the ATUR interface. unused1(0) - This bit is no use to enable or disable the the InitFailureTrap on the atur interface. lossOfFraming(1) - Value 0 means disable the loss of frame trap on the atur interface. lossOfSignal(2) - Value 0 means disable the loss of signal trap on the atur interface. lossOfPower(3) - Value 0 means disable the loss of power trap on the atur interface. unused2(4) - This bit is no use to enable or disable the InitFailureTrap on the atur interface. lossOfSignalQuality(5) - Value 0 means disable the loss of signal quality trap on the atur interface.
zxAnAdslAtucThreshInpLeftr 1.3.6.1.4.1.3902.1082.130.1.2.2.3.1.10	INTEGER	[0-100]G.INP configuration parameters of downstream. The fraction of NDR that shall be used as the threshold for leftr defects. Valid values are from 0 to 100 in increments of 0.01.

MIB Variable/ OID	Type	Description
		Def:0
zxAnAdslAturThreshInpLeftr 1.3.6.1.4.1.3902.1082.130.1.2.2 .3.1.11	INTEGER	[0-100]GINP configuration parameters of upstream. The fraction of NDR that shall be used as the threshold for leftr defects. Valid values are from 0 to 100 in increments of 0.01. Def:0
adslAtucThreshold15MinFailedFastR	INTEGER	[0-900] The first time the value of the corresponding instance of adslAtucPerfCurr15MinFailed FastR reaches or exceeds this value within a given 15-minute performance data collection period,an adslAtucFailedFastRThreshTrap notification will be generated. The value '0' will disable the notification. Def:0
adslAtucThreshold15MinSesL	INTEGER	[0-900] The first time the value of the corresponding instance of adslAtucPerf15MinSesL reaches or exceeds this value within a given 15-minute performance data collection period, an adslAtucSesLThreshTrap notification will be generated. The value '0' will disable the notification. Def:0
adslAtucThreshold15MinUasL	INTEGER	[0-900] The first time the value of the corresponding instance of adslAtucPerf15MinUasL

MIB Variable/ OID	Type	Description
		reaches or exceeds this value within a given 15-minute performance data collection period, an adslAtucUasLThreshTrap notification will be generated. The value '0' will disable the notification. Def:0
adslAturThreshold15MinSesL	INTEGER	[0-900] The first time the value of the corresponding instance of adslAturPerf15MinSesL reaches or exceeds this value within a given 15-minute performance data collection period, an adslAturSesLThreshTrap notification will be generated. The value '0' will disable the notification. Def:0
adslAturThreshold15MinUasL	INTEGER	[0-900] The first time the value of the corresponding instance of adslAturPerf15MinUasL reaches or exceeds this value within a given 15-minute performance data collection period, an adslAturUasLThreshTrap notification will be generated. The value '0' will disable the notification. Def:0

6.1.3 Modify Line Profile

[Function]:

Modify ADSL Line Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ADSL-DMT-LINE-MIB.mib ZTE-AN-ADSL-LINE-MIB.mib

Modify adsl line profile, the network will need to set the adslLineConfProfileRowStatus value 1 (ACTIVE). Then set the mibs of line profile table to the network element. Line profile mib table description see table above the amount.

MIB Variable/ OID	Type	Description
adslLineConfProfileName (index) 1.3.6.1.2.1.10.94.1.1.14.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
adslLineConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.14.1.30	RowStatus	Set the value to 1 (ROWSTATUS_ACTIVE).
…	…	See the table of creating ADSL line profile.

6.1.4 Modify Alarm Profile

[Function]:

Modify ADSL Alarm Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ZTE-AN-ADSL-LINE-MIB.mib

Modify adsl alarm profile, the network will need to set the adslLineAlarmConfProfileRowStatus value 1 (ACTIVE). Then set the mibs of alarm profile table to the network element. Alarm profile mib table description see table above the amount.

MIB Variable/ OID	Type	Description
adslLineAlarmConfProfileName	SnmpAdminStrin	Length is 32, including

MIB Variable/ OID	Type	Description
(index) 1.3.6.1.2.1.10.94.1.1.15.1.1	g	suffix(.prf), and valid characters are numbers and letters
adslLineAlarmConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.14.1.30	RowStatus	Set the value to 1 (ROWSTATUS_ACTIVE).
…	…	See the table of creating ADSL alarm profile.

6.1.5 Delete Line Profile

[Function]:

Delete ADSL Line Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ADSL-DMT-LINE-MIB.mib ZTE-AN-ADSL-LINE-MIB.mib

Delete adsl line profile, the network will need to set the adslLineConfProfileRowStatus value 6 (DELETE).

MIB Variable/ OID	Type	Description
adslLineConfProfileName (index) 1.3.6.1.2.1.10.94.1.1.14.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
adslLineConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.14.1.30	RowStatus	Set the value to 6 (ROWSTATUS_DELETE).

6.1.6 Delete Alarm Profile

[Function]:

Delete ADSL Alarm Profile

[MIB description]:

ADSL-LINE-MIB.mib, ADSL-LINE-EXT-MIB.mib, ZTE-AN-ADSL-LINE-MIB.mib

Delete adsl alarm profile, the network will need to set the adslLineConfProfileRowStatus value 6 (DELETE).

MIB Variable/ OID	Type	Description
adslLineAlarmConfProfileName (index) 1.3.6.1.2.1.10.94.1.1.15.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
adslLineAlarmConfProfileRowStatus 1.3.6.1.2.1.10.94.1.1.14.1.30	RowStatus	Set the value to 6 (ROWSTATUS_DELETE).

6.1.7 Bind ADSL Line Profile To Port

[Function]:

When the adsl profile is created and modified, it need to be applied to the port. Port will re-link under the new profile.

[MIB description]:

ADSL-LINE-MIB.mib

MIB Variable/ OID	Type	Description
ifIndex 1.3.6.1.2.1.2.2.1.1	InterfaceIndex	NormalPort
adslLineConfProfile 1.3.6.1.2.1.10.94.1.1.1.1.4	SnmpAdminString	String length is 32 (including the terminator), demand is setting the existed line profile name.

6.1.8 Bind ADSL Alarm Profile To Port

[Function]:

When the adsl alarm profile is created and modified, it need to be applied to the port. Port will re-link under the new profile.

[MIB description]:

ADSL-LINE-MIB.mib

MIB Variable/ OID	Type	Description
ifIndex 1.3.6.1.2.1.2.2.1.1	InterfaceIndex	NormalPort
adslLineAlarmConfProfile 1.3.6.1.2.1.10.94.1.1.1.1.5	SnmpAdminString	String length is 32 (including the terminator), demand is setting the existed alarm profile name.

6.2 SHDSL Configuration

6.2.1 Create Line Profile

[Function]:

Create SHDSL Line Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Create Shdsl line profile, the big network to the network element set only hdsl2ShdslSpanConfProfileRowStatus. Set rowstatus value of 4, other mibs of the profiles will be assigned as default values.

MIB Variable/ OID	Type	Description
hdsl2ShdslSpanConfProfileName（index） 1.3.6.1.2.1.10.48.1.10.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters.
hdsl2ShdslSpanConfProfileRowStatus 1.3.6.1.2.1.10.48.1.10.1.16	RowStatus	Set rowstatus value of 4.

MIB Variable/ OID	Type	Description
hdsl2ShdslSpanConfWireInterface 1.3.6.1.2.1.10.48.1.10.1.2	INTEGER	This object configures the two-wire(1) or optional four-wire(2) operation for SHDSL Lines. Def: twoWire(1)
hdsl2ShdslSpanConfMinLineRate 1.3.6.1.2.1.10.48.1.10.1.3	Unsigned32	This object configures the minimum transmission rate for the associated SHDSL Line in bits-per-second (bps). If the minimum line rate equals the maximum line rate (hdsl2ShdslSpanMaxLineRate), the line rate is considered 'fixed'. If the minimum line rate is less than the maximum line rate, the line rate is considered 'rate-adaptive'. Def: 1552000
hdsl2ShdslSpanConfMaxLineRate 1.3.6.1.2.1.10.48.1.10.1.4	Unsigned32	This object configures the maximum transmission rate for the associated SHDSL Line in bits-per-second (bps). If the minimum line rate equals the maximum line rate (hdsl2ShdslSpanMaxLineRate), the line rate is considered 'fixed'. If the minimum line rate is less than the maximum line rate, the line rate is considered rate-adaptive'. Def: 1552000
hdsl2ShdslSpanConfPSD 1.3.6.1.2.1.10.48.1.10.1.5	INTEGER	This object configures use of symmetric(1)/asymmetric(2) PSD (Power Spectral Density) Mask for the

MIB Variable/ OID	Type	Description
		associated SHDSL Line. Support for symmetric PSD is mandatory for all supported data rates. Support for asymmetric PSD is optional. Def: symmetric(1)
hdsl2ShdslSpanConfTransmissionMode 1.3.6.1.2.1.10.48.1.10.1.6	Hdsl2ShdslTransmissionModeType	This object specifies the regional setting(region1(0)/region2(1)) for the SHDSL line. Def: region2(1)
hdsl2ShdslSpanConfRemoteEnabled 1.3.6.1.2.1.10.48.1.10.1.7	INTEGER	This object enables(1)/disables(2) support for remote management of the units in a SHDSL line from the STU-R via the EOC. Def: enabled(1)
hdsl2ShdslSpanConfPowerFeeding 1.3.6.1.2.1.10.48.1.10.1.8	INTEGER	This object enables/disables support for optional power feeding in a SHDSL line. noPower(1), powerFeed(2), wettingCurrent(3) Def: noPower(1)
hdsl2ShdslSpanConfCurrCondTargetMarginDown 1.3.6.1.2.1.10.48.1.10.1.9	INTEGER	This object specifies the downstream current condition target SNR margin for a SHDSL line. The SNR margin is the difference between the desired SNR and the actual SNR. Target SNR margin is the desired SNR margin for a unit. Def:0
hdsl2ShdslSpanConfWorstCaseTargetMarginDown 1.3.6.1.2.1.10.48.1.10.1.10	INTEGER	This object specifies the downstream worst case target SNR margin for a SHDSL line. The SNR margin is the difference

MIB Variable/ OID	Type	Description
		between the desired SNR and the actual SNR. Target SNR margin is the desired SNR margin for a unit. Def:0
hdsl2ShdslSpanConfCurrCondTargetMarginUp 1.3.6.1.2.1.10.48.1.10.1.11	INTEGER	This object specifies the upstream current condition target SNR margin for a SHDSL line. The SNR margin is the difference between the desired SNR and the actual SNR. Target SNR margin is the desired SNR margin for a unit. Def:0
hdsl2ShdslSpanConfWorstCaseTargetMarginUp 1.3.6.1.2.1.10.48.1.10.1.12	INTEGER	This object specifies the upstream worst case target SNR margin for a SHDSL line.The SNR margin is the difference between the desired SNR and the actual SNR. Target SNR margin is the desired SNR margin for a unit. Def:0
hdsl2ShdslSpanConfUsedTargetMargins 1.3.6.1.2.1.10.48.1.10.1.13	BITS	Contains indicates whether a target SNR margin is enabled or disabled.This is a bit-map of possible settings. currCondDown(0), worstCaseDown(1), currCondUp(2), worstCaseUp(3) Def: currCondDown(0)
hdsl2ShdslSpanConfReferenceClock 1.3.6.1.2.1.10.48.1.10.1.14	Hdsl2ShdslClockReferenceType	"This object configures the clock reference for the STU-C in a SHDSL Line. 1-LocalClk,

MIB Variable/ OID	Type	Description
		2-NetworkClk, 3-DataOrNetworkClk, 4-DataClk Def: LocalClk
hdsl2ShdslSpanConfLineProbe Enable 1.3.6.1.2.1.10.48.1.10.1.15	INTEGER	This object enables(2) /disables(1) support for Line Probe of the units in a SHDSL line. When Line Probe is enabled, the system performs Line Probing to find the best possible rate.If Line probe is disabled, the rate adaptation phase is skipped to shorten set up time. Def: disable(1)

6.2.2 Create Alarm Profile

[Function]:

Create SHDSL Alarm Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Create Shdsl alarm profile, the big network to the network element set only hdsl2ShdslEndpointAlarmConfProfileRowStatus. Set rowstatus value of 4, other mibs of the profiles will be assigned as default values.

MIB Variable/ OID	Type	Description
hdsl2ShdslEndpointAlarmConfP rofileName （index） 1.3.6.1.2.1.10.48.1.11.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters.
hdsl2ShdslEndpointAlarmConfP rofileRowStatus 1.3.6.1.2.1.10.48.1.11.1.9	RowStatus	Set rowstatus value of 4.
hdsl2ShdslEndpointThreshLoop	Integer	This object configures the

MIB Variable/ OID	Type	Description
Attenuation 1.3.6.1.2.1.10.48.1.11.1.2		loop attenuation alarm threshold. When the current value of hdsl2ShdslEndpointCurrAtn reaches or exceeds this threshold, a hdsl2ShdslLoopAttenCrossing MAY be generated. Def:0
hdsl2ShdslEndpointThreshSNR Margin 1.3.6.1.2.1.10.48.1.11.1.3	Integer	This object configures the SNR margin alarm threshold. When the current value of hdsl2ShdslEndpointCurrSnrM gn reaches or drops below this threshold, a hdsl2ShdslSNRMarginCrossing MAY be generated. Def:0
hdsl2ShdslEndpointThreshES 1.3.6.1.2.1.10.48.1.11.1.4	Hdsl2ShdslPerfIntervalThreshold	This object configures the threshold for the number of errored seconds (ES) within any given 15-minute performance data collection interval.If the value of errored seconds in a particular 15-minute collection interval reaches/ exceeds this value, a hdsl2ShdslPerfESThresh MAY be generated. At most one notification will be sent per interval per endpoint. Def:0
hdsl2ShdslEndpointThreshSES 1.3.6.1.2.1.10.48.1.11.1.5	Hdsl2ShdslPerfIntervalThreshold	This object configures the threshold for the number of severely errored seconds

MIB Variable/ OID	Type	Description
		(SES) within any given 15-minute performance data collection interval.If the value of severely errored seconds in a particular 15-minute collection interval reaches/exceeds this value, a hdsl2ShdslPerfSESThresh MAY be generated. At most one notification will be sent per interval per endpoint. Def:0
hdsl2ShdslEndpointThreshCRC anomalies 1.3.6.1.2.1.10.48.1.11.1.6	Integer	This object configures the threshold for the number of CRC anomalies within any given 15-minute performance data collection interval. If the value of CRC anomalies in a particular 15-minute collection interval reaches/exceeds this value, a hdsl2ShdslPerfCRCanomalie sThresh MAY be generated. At most one notification will be sent per interval per endpoint. Def:0
hdsl2ShdslEndpointThreshLOS WS 1.3.6.1.2.1.10.48.1.11.1.7	Hdsl2ShdslPe rfIntervalThres hold	This object configures the threshold for the number of Loss of Sync Word (LOSW) Seconds within any given 15-minute performance data collection interval.If the value of LOSW in a particular 15-minute collection interval reaches/exceeds this value, a

MIB Variable/ OID	Type	Description
		hdsl2ShdslPerfLOSWSThresh MAY be generated. At most one notification will be sent per interval per endpoint. Def:0
hdsl2ShdslEndpointThreshUAS 1.3.6.1.2.1.10.48.1.11.1.8	Hdsl2ShdslPerfIntervalThreshold	This object configures the threshold for the number of unavailable seconds (UAS) within any given 15-minute performance data collection interval. If the value of UAS in a particular 15-minute collection interval reaches/exceeds this value, a hdsl2ShdslPerfUASThresh MAY be generated.At most one notification will be sent per interval per endpoint. Def:0

6.2.3 Modify Line Profile

[Function]:

Modify SHDSL Line Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Modify shdsl line profile, the network will need to set the hdsl2ShdslSpanConfProfileRowStatus value 1 (ACTIVE). Then set the mibs of line profile table to the network element. Line profile mib table description see table above the amount.

MIB Variable/ OID	Type	Description
hdsl2ShdslSpanConfProfileName (index) 1.3.6.1.2.1.10.48.1.10.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers

MIB Variable/ OID	Type	Description
		and letters
hdsl2ShdslSpanConfProfileRowStatus 1.3.6.1.2.1.10.48.1.10.1.16	RowStatus	Set the value to 1 (ROWSTATUS_ACTIVE).
…	…	See the table of creating SHDSL line profile.

6.2.4 Modify Alarm Profile

[Function]:

Modify SHDSL Alarm Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Modify SHDSL alarm profile, the network will need to set the hdsl2ShdslEndpointAlarmConfProfileRowStatus value 1 (ACTIVE). Then set the mibs of line profile table to the network element. Line profile mib table description see table above the amount.

MIB Variable/ OID	Type	Description
hdsl2ShdslEndpointAlarmConfProfileName (index) 1.3.6.1.2.1.10.48.1.11.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
hdsl2ShdslEndpointAlarmConfProfileRowStatus 1.3.6.1.2.1.10.48.1.11.1.9	RowStatus	Set the value to 1 (ROWSTATUS_ACTIVE).
…	…	See the table of creating SHDSL alarm profile.

6.2.5 Delete Line Profile

[Function]:

Delete SHDSL Line Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Delete shdsl line profile, the network will need to set the hdsl2ShdslSpanConfProfileRowStatus value 6 (DELETE).

MIB Variable/ OID	Type	Description
hdsl2ShdslSpanConfProfileName (index) 1.3.6.1.2.1.10.48.1.10.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
hdsl2ShdslSpanConfProfileRowStatus 1.3.6.1.2.1.10.48.1.10.1.16	RowStatus	Set the value to 6 (ROWSTATUS_DELETE).

6.2.6 Delete Alarm Profile

[Function]:

Delete SHDSL Alarm Profile

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

Delete shdsl alarm profile, the network will need to set the hdsl2ShdslEndpointAlarmConfProfileRowStatus value 6 (DELETE).

MIB Variable/ OID	Type	Description
hdsl2ShdslEndpointAlarmConfProfileName (index) 1.3.6.1.2.1.10.48.1.11.1.1	SnmpAdminString	Length is 32, including suffix(.prf), and valid characters are numbers and letters
hdsl2ShdslEndpointAlarmConfProfileRo	RowStatus	Set the value to 6

MIB Variable/ OID	Type	Description
wStatus 1.3.6.1.2.1.10.48.1.11.1.9		(ROWSTATUS_DELETE).

6.2.7 Bind SHDSL Line Profile To Port

[Function]:

When the shdsl profile is created and modified, it need to be applied to the port. Port will re-link under the new profile.

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

MIB Variable/ OID	Type	Description
ifIndex 1.3.6.1.2.1.2.2.1.1	InterfaceIndex	NormalPort
hdsl2ShdslSpanConfProfile 1.3.6.1.2.1.10.48.1.1.1.2	SnmpAdminString	String length is 32 (including the terminator), demand is setting the existed line profile name.

6.2.8 Bind SHDSL Alarm Profile To Port

[Function]:

When the shdsl alarm profile is created and modified, it need to be applied to the port. Port will re-link under the new profile.

[MIB description]:

HDSL2-SHDSL-LINE-MIB.mib

MIB Variable/ OID	Type	Description
ifIndex 1.3.6.1.2.1.2.2.1.1	InterfaceIndex	NormalPort
hdsl2ShdslSpanConfAlarmProfile 1.3.6.1.2.1.10.48.1.1.1.3	SnmpAdminString	String length is 32 (including the

MIB Variable/ OID	Type	Description
		terminator), demand is setting the existed line profile name.

7   Optical Module and Optical Power

7.1   Optical Module

[Function description]:

This MIB queries Ethernt port and PON port optical modules.

[MIB file]:

ZTE-AN-OPTICAL-MODULE-MIB.mib

7.1.1   Information Query

[MIB variable description]:

The OID of zxAnOpticalModuleInfoTable is .1.3.6.1.4.1.3902.1082.30.40.2.4.

OLT transmitting optical power

zxAnOpticalIfRxPwrCurrValue: .1.3.6.1.4.1.3902.1082.30.40.2.4.1.2

The index is ifIndex.

[MIB file]:

Refer to ZTE-AN-OPTICAL-MODULE-MIB.mib for detailed descriptions.

  zxAnOpticalModuleInfoTable   OBJECT-Type

     SYNTAX   SEQUENCE OF ZxAnOpticalModuleInfoEntry

     MAX-ACCESS not-accessible

STATUS   current

DESCRIPTION "This table includes the optical module information."

::= { zxAnOpticalModuleObjects 4 }

zxAnOpticalModuleInfoEntry   OBJECT-Type

SYNTAX   ZxAnOpticalModuleInfoEntry

MAX-ACCESS not-accessible

STATUS   current

DESCRIPTION "An entry in zxAnOpticalModuleInfoTable."

INDEX   { ifIndex }

::= { zxAnOpticalModuleInfoTable 1 }

ZxAnOpticalModuleInfoEntry ::= SEQUENCE {

zxAnOpticalIfRxPwrCurrValue   Integer32,

zxAnOpticalIfTxPwrCurrValue   Integer32,

zxAnOpticalIfRate   Integer32,

zxAnOpticalBiasCurrent   Integer32,

zxAnOpticalSupplyVoltage   Integer32,

zxAnOpticalWavelength   Integer32,

zxAnOpticalTemperature   Integer32,

zxAnOpticalFiberType   INTEGER,

zxAnOpticalVersionLevel   DisplayString,

zxAnOpticalVendorPn   DisplayString,

zxAnOpticalVendorName	DisplayString,	
zxAnOpticalVendorSn	DisplayString,	
zxAnOpticalProductionDate	DisplayString,	
zxAnOpticalModuleType	DisplayString,	
zxAnOpticalFiberInterfaceType	DisplayString,	
zxAnOpticalMaterialNumber	OCTET STRING,	
zxAnOpticalRegisterData	OCTET STRING	

}

7.1.2   Threshold Configuration

[Index description]:

Profile name, character string.

[MIB variable description]:

MIB Variable	OID	Description
zxAnOpticalRxPwrLowerThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.2	Minimum threshold of receiving optical power
zxAnOpticalRxPwrUpperThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.3	Maximum threshold of receiving optical power
zxAnOpticalTxPwrLowerThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.4	Minimum threshold of transmitting optical power
zxAnOpticalTxPwrUpperThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.5	Maximum threshold of transmitting optical power
zxAnOpticalBiasCurrLowerThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.6	Minimum current threshold
zxAnOpticalBiasCurrUpperThresh	. 1.3.6.1.4.1.3902.1082 .30.40.2.2.1.7	Maximum current threshold

MIB Variable	OID	Description
zxAnOpticalVoltageLowerThresh	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.8	Minimum voltage threshold
zxAnOpticalVoltageUpperThresh	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.9	Maximum voltage threshold
zxAnOpticalTempLowerThresh	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.10	Minimum temperature threshold
zxAnOpticalTempUpperThresh	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.11	Maximum temperature threshold
zxAnOpticalOfflineTrapEnable	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.12	Online alarm swtich
zxAnOpticalModuleAlmPrfRowStatus	.1.3.6.1.4.1.3902.1082.30.40.2.2.1.50	Profile enabling

7.1.3 Threshold Loading

[Index description]:

Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
zxAnOpticalIfAlmPrf	.1.3.6.1.4.1.3902.1082.30.40.2.3.1.2	Profile name

7.1.4 Als Config

[MIB variable description]:

The OID of zxAnOpticalAlsIfConfTable is .1.3.6.1.4.1.3902.1082.30.40.2.5
zxAnOptAlsEnable：.1.3.6.1.4.1.3902.1082.30.40.2.5.1.1

The index is ifIndex.

[MIB file]:

```
zxAnOpticalAlsIfConfTable   OBJECT-TYPE
   SYNTAX    SEQUENCE  OF  ZxAnOpticalAlsIfConfEntry
   MAX-ACCESS  not-accessible
   STATUS    current
   DESCRIPTION
     "This table includes the ALS configuration of the optical module."
   ::= { zxAnOpticalModuleObjects  5 }


zxAnOpticalAlsIfConfEntry   OBJECT-TYPE
   SYNTAX    ZxAnOpticalAlsIfConfEntry
   MAX-ACCESS  not-accessible
   STATUS    current
   DESCRIPTION
     "An entry in zxAnOpticalAlsIfConfTable."
   INDEX    { ifIndex }
   ::= { zxAnOpticalAlsIfConfTable 1 }


ZxAnOpticalAlsIfConfEntry  ::=  SEQUENCE {
   zxAnOptAlsEnable            INTEGER,
   zxAnOptAlsLaserLosDuration     Integer32,
   zxAnOptAlsLaserShutdownDuration Integer32,
   zxAnOptAlsLaserStartUpDuration  Integer32
   }


zxAnOptAlsEnable OBJECT-TYPE
   SYNTAX INTEGER{
        enabled(1),
        disabled(2)
        }
   MAX-ACCESS read-write
   STATUS  current
   DESCRIPTION
     "Enable or disable the ALS function."
   DEFVAL { disabled }
   ::= { zxAnOpticalAlsIfConfEntry 1 }


zxAnOptAlsLaserLosDuration  OBJECT-TYPE
   SYNTAX  Integer32(5..50)
   UNITS  "100ms"
   MAX-ACCESS  read-write
```

STATUS   current
DESCRIPTION
   "This attribute specifies the value of the LOS duration.
   The laser will be shutdown when detected the LOS duration
   longer than zxAnOptAlsLaserLosDuration value.
   Setting this object will enable the ALS function."
DEFVAL { 5 }
::= { zxAnOpticalAlsIfConfEntry 2}

zxAnOptAlsLaserShutdownDuration OBJECT-TYPE
   SYNTAX Integer32(20..2000)
   UNITS "100ms"
   MAX-ACCESS read-write
   STATUS current
   DESCRIPTION
      "This attribute specifies the value of the laser shutdown
      duration.
      Setting this object will enable the ALS function."
   DEFVAL { 100 }
   ::= { zxAnOpticalAlsIfConfEntry 3}

zxAnOptAlsLaserStartUpDuration OBJECT-TYPE
   SYNTAX   Integer32(50..20000)
   UNITS   "100ms"
   MAX-ACCESS read-write
   STATUS   current
   DESCRIPTION
      "This attribute specifies the value of the laser re-open
      duration.
      Setting this object will enable the ALS function."
   DEFVAL { 50 }
   ::= { zxAnOpticalAlsIfConfEntry 4}

7.2   Receiving Optical Power on the OLT Side

[MIB file]:

Please refer to zxAnPonRxOpticalPowerTable defined in ZTE-AN-PON-BASE-MIB.mib.

MIB Variable	OID	MIB Value	Description
zxAnPonRxOpticalPower	.1.3.6.1.4.1.3902.1082.500.1.2.4.2.1.2	INTEGER {reboot (1) }	"Measured the received optical power. 65535000 means N/A, ONU is not in service. -80000 means no signal received."

7.3   Optical Power on the GPON ONU Side

[MIB file]:

Please refer to zxAnGponRmAniTable defined in **_ZTE-AN-GPON-REMOTE-ONU-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponRmAniRxOptLevel	.1.3.6.1.4.1.3902.1082.500.20.2.2.2.1.10		This attribute reports the current measurement of total downstream optical signal level, dBuW, 2s complement, 0.002 dB resolution. 0xFFFF means the optical signal level is unknown(N/A) when ONU is offline.
zxAnGponRmAniTxOptLevel	.1.3.6.1.4.1.3902.1082.500.20.2.2.2.1.14		This attribute reports the current measurement of mean optical launch power, dBuW, 2s complement, 0.002 dB resolution. 0xFFFF means the optical signal level is unknown(N/A) when ONU is offline.

8 Performance Statistics

8.1 Ethernet Port Realtime Statistics

8.1.1 ifTable Realtime Statistics

[MIB file]:

Please refer to **rfc2863.mib**.

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
ifDescr	1.3.6.1.2.1.2.2.1.2	DisplayString（SIZE（0 .. 255））
ifType	1.3.6.1.2.1.2.2.1.3	IANAifMIB value
ifMtu	1.3.6.1.2.1.2.2.1.4	Integer32
ifSpeed	1.3.6.1.2.1.2.2.1.5	Gauge32
ifPhysAddress	1.3.6.1.2.1.2.2.1.6	PhysAddress
ifAdminStatus	1.3.6.1.2.1.2.2.1.7	INTEGER｛up（1），down（2），testing（3）｝
ifOperStatus	1.3.6.1.2.1.2.2.1.8	INTEGER｛up（1），down（2），testing（3），unknown（4），dormant（5），notPresent（6），lowerLayerDown（7）｝
ifLastChange	1.3.6.1.2.1.2.2.1.9	TimeTicks
ifInOctets	1.3.6.1.2.1.2.2.1.10	Counter32
ifInUcastPkts	1.3.6.1.2.1.2.2.1.11	Counter32
ifInNUcastPkts	1.3.6.1.2.1.2.2.1.12	Counter32

MIB Variable	OID	Description
ifInDiscards	1.3.6.1.2.1.2.2.1.13	Counter32
ifInErrors	1.3.6.1.2.1.2.2.1.14	Counter32
ifInUnknownProtos	1.3.6.1.2.1.2.2.1.15	Counter32
ifOutOctets	1.3.6.1.2.1.2.2.1.16	Counter32
ifOutUcastPkts	1.3.6.1.2.1.2.2.1.17	Counter32
ifOutNUcastPkts	1.3.6.1.2.1.2.2.1.18	Counter32
ifOutDiscards	1.3.6.1.2.1.2.2.1.19	Counter32
ifOutErrors	1.3.6.1.2.1.2.2.1.20	Counter32
ifOutQLen	1.3.6.1.2.1.2.2.1.21	Gauge32
ifSpecific	1.3.6.1.2.1.2.2.1.22	OBJECT IDENTIFIER

8.1.2   ifXTable Realtime Statistics

[MIB file]:

Please refer to *rfc2863.mib*.

[Index description]:

{ ifIndex }. Type 1 platform composite index

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
ifName	1.3.6.1.2.1.31.1.1.1.1	DisplayString

MIB Variable	OID	Description
ifInMulticastPkts	1.3.6.1.2.1.31.1.1.1.2	Counter32
ifInBroadcastPkts	1.3.6.1.2.1.31.1.1.1.3	Counter32
ifOutMulticastPkts	1.3.6.1.2.1.31.1.1.1.4	Counter32
ifOutBroadcastPkts	1.3.6.1.2.1.31.1.1.1.5	Counter32
ifHCInOctets	1.3.6.1.2.1.31.1.1.1.6	Counter64
ifHCInUcastPkts	1.3.6.1.2.1.31.1.1.1.7	Counter64
ifHCInMulticastPkts	1.3.6.1.2.1.31.1.1.1.8	Counter64
ifHCInBroadcastPkts	1.3.6.1.2.1.31.1.1.1.9	Counter64
ifHCOutOctets	1.3.6.1.2.1.31.1.1.1.10	Counter64
ifHCOutUcastPkts	1.3.6.1.2.1.31.1.1.1.11	Counter64
ifHCOutMulticastPkts	1.3.6.1.2.1.31.1.1.1.12	Counter64
ifHCOutBroadcastPkts	1.3.6.1.2.1.31.1.1.1.13	Counter64
ifLinkUpDownTrapEnable	1.3.6.1.2.1.31.1.1.1.14	INTEGER｛enabled（1），disabled（2）｝
ifHighSpeed	1.3.6.1.2.1.31.1.1.1.15	Gauge32
ifPromiscuousMode	1.3.6.1.2.1.31.1.1.1.16	TruthValue
ifConnectorPresent	1.3.6.1.2.1.31.1.1.1.17	TruthValue
ifAlias	1.3.6.1.2.1.31.1.1.1.18	DisplayString（SIZE（0 .. 64））
ifCounterDiscontinuityTime	1.3.6.1.2.1.31.1.1.1.19	TimeStamp

8.2 OLT Ethernet Realtime Statistics

8.2.1 Realtime Statistics

[MIB file]:

Please refer to zxAnPonOltIfCurrPerfTable defined in ZTE-AN-PON-PERF-MIB.mib.

MIB Variable	OID	Description
zxAnPonOltIfRxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.1	
zxAnPonOltIfRxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.2	
zxAnPonOltIfRxOctetRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.3	
zxAnPonOltIfRxPktRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.4	
zxAnPonOltIfRxOctetPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.5	
zxAnPonOltIfRxPktPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.6	
zxAnPonOltIfRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.7	
zxAnPonOltIfRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.8	
zxAnPonOltIfRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.9	
zxAnPonOltIfRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.10	
zxAnPonOltIfRxDisc	.	

MIB Variable	OID	Description
ardPkts	1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.11	
zxAnPonOltIfRxErrP kts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.12	
zxAnPonOltIfRxPdr	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.13	
zxAnPonOltIfRxPer	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.14	
zxAnPonOltIfRxCrc AlignErrors	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.15	
zxAnPonOltIfRxUnd ersizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.16	
zxAnPonOltIfRxOve rsizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.17	
zxAnPonOltIfRxPkts 64Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.18	
zxAnPonOltIfRxPkts 65To127Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.19	
zxAnPonOltIfRxPkts 128To255Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.20	
zxAnPonOltIfRxPkts 256To511Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.21	
zxAnPonOltIfRxPkts 512To1023Oct	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.22	
zxAnPonOltIfRxPkts 1024To1518Oct	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.23	
zxAnPonOltIfRxBw	.	

MIB Variable	OID	Description
Utilization	1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.24	
zxAnPonOltIfRxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.25	
zxAnPonOltIfRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.26	
zxAnPonOltIfRxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.27	
zxAnPonOltIfTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.44	
zxAnPonOltIfTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.45	
zxAnPonOltIfTxOctetRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.46	
zxAnPonOltIfTxPktRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.47	
zxAnPonOltIfTxOctetPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.48	
zxAnPonOltIfTxPktPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.49	
zxAnPonOltIfTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.50	
zxAnPonOltIfTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.51	
zxAnPonOltIfTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.52	
zxAnPonOltIfTxBca	.	

MIB Variable	OID	Description
stPkts	1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.53	
zxAnPonOltIfTxDisc ardPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.54	
zxAnPonOltIfTxErrP kts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.55	
zxAnPonOltIfTxPdr	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.56	
zxAnPonOltIfTxPer	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.57	
zxAnPonOltIfTxCrc AlignErrors	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.58	
zxAnPonOltIfTxUnd ersizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.59	
zxAnPonOltIfTxOve rsizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.60	
zxAnPonOltIfTxPkts 64Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.61	
zxAnPonOltIfTxPkts 65To127Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.62	
zxAnPonOltIfTxPkts 128To255Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.63	
zxAnPonOltIfTxPkts 256To511Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.64	
zxAnPonOltIfTxPkts 512To1023Oct	. 1.3.6.1.4.1.3902.1082.5 00.4.2.1.2.1.65	
zxAnPonOltIfTxPkts	.	

MIB Variable	OID	Description
1024To1518Oct	1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.66	
zxAnPonOltIfTxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.67	
zxAnPonOltIfTxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.68	
zxAnPonOltIfTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.69	
zxAnPonOltIfTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.70	
zxAnPonOltIfCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.88	
zxAnPonOltIfDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.89	
zxAnPonOltIfCurrPerfCapability	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.99	
zxAnPonOltIfCurrPerfReset	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.100	

8.3 ONU Ethernet Realtime Statistics

8.3.1 Realtime Performance

[MIB file]:

Please refer to zxAnPonOnuIfCurrPerfTable defined in ZTE-AN-PON-PERF-MIB.mib.

MIB Variable	OID	Description
zxAnPonOnuIfRxOctets	.1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.4.2.2.2.1.1	
zxAnPonOnuIfRxPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.2	
zxAnPonOnuIfRxOctetRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.3	
zxAnPonOnuIfRxPktRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.4	
zxAnPonOnuIfRxOctetPeakRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.5	
zxAnPonOnuIfRxPktPeakRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.6	
zxAnPonOnuIfRxUcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.7	
zxAnPonOnuIfRxNUcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.8	
zxAnPonOnuIfRxMcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.9	
zxAnPonOnuIfRxBcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.10	
zxAnPonOnuIfRxDiscardPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.11	
zxAnPonOnuIfRxErrPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.12	
zxAnPonOnuIfRxPdr	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.13	
zxAnPonOnuIfRxPer	. 1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.4.2.2.2.1.14	
zxAnPonOnuIfRxCrcAlignErrors	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.15	
zxAnPonOnuIfRxUndersizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.16	
zxAnPonOnuIfRxOversizePkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.17	
zxAnPonOnuIfRxPkts64Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.18	
zxAnPonOnuIfRxPkts65To127Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.19	
zxAnPonOnuIfRxPkts128To255Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.20	
zxAnPonOnuIfRxPkts256To511Octets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.21	
zxAnPonOnuIfRxPkts512To1023Oct	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.22	
zxAnPonOnuIfRxPkts1024To1518Oct	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.23	
zxAnPonOnuIfRxBwUtilization	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.24	
zxAnPonOnuIfRxAvgBwUtilization	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.25	
zxAnPonOnuIfRxFragments	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.26	
zxAnPonOnuIfRxJabbers	. 1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.4.2.2.2.1.27	
zxAnPonOnuIfTxOctets	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.44	
zxAnPonOnuIfTxPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.45	
zxAnPonOnuIfTxOctetRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.46	
zxAnPonOnuIfTxPktRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.47	
zxAnPonOnuIfTxOctetPeakRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.48	
zxAnPonOnuIfTxPktPeakRate	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.49	
zxAnPonOnuIfTxUcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.50	
zxAnPonOnuIfTxNUcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.51	
zxAnPonOnuIfTxMcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.52	
zxAnPonOnuIfTxBcastPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.53	
zxAnPonOnuIfTxDiscardPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.54	
zxAnPonOnuIfTxErrPkts	. 1.3.6.1.4.1.3902.1082.5 00.4.2.2.2.1.55	
zxAnPonOnuIfTxPdr	. 1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.4.2.2.2.1.56	
zxAnPonOnuIfTxPer	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.57	
zxAnPonOnuIfTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.58	
zxAnPonOnuIfTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.59	
zxAnPonOnuIfTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.60	
zxAnPonOnuIfTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.61	
zxAnPonOnuIfTxPkts65To127Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.62	
zxAnPonOnuIfTxPkts128To255Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.63	
zxAnPonOnuIfTxPkts256To511Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.64	
zxAnPonOnuIfTxPkts512To1023Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.65	
zxAnPonOnuIfTxPkts1024To1518Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.66	
zxAnPonOnuIfTxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.67	
zxAnPonOnuIfTxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.68	
zxAnPonOnuIfTxFragments	.1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.4.2.2.2.1.69	
zxAnPonOnuIfTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.70	
zxAnPonOnuIfCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.88	
zxAnPonOnuIfDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.89	
zxAnPonOnuIfCurrPerfCapability	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.99	
zxAnPonOnuIfCurrPerfReset	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.100	

8.4 GPON OLT PON Layer Realtime Statistics

8.4.1 Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOltCurrPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.1	
zxAnGponUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.2	
zxAnGponUsErrGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.3	
zxAnGponUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.10.2.2.2.2.1.4	
zxAnGponUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.5	
zxAnGponUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.6	
zxAnGponUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.7	
zxAnGponUsErrPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.8	
zxAnGponUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.9	
zxAnGponUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.10	
zxAnGponUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.11	
zxAnGponDsEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.12	
zxAnGponDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.13	
zxAnGponOltReis	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.14	
zxAnGponCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.15	
zxAnGponCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.16	
zxAnGponUncorrectedWords	.1.3.6.1.4.1.3902.1082.5	

MIB Variable	OID	Description
	00.10.2.2.2.2.1.17	
zxAnGponTotalRxWords	. 1.3.6.1.4.1.3902.1082.5 00.10.2.2.2.2.1.18	
zxAnGponUsBer	. 1.3.6.1.4.1.3902.1082.5 00.10.2.2.2.2.1.19	
zxAnGponOltPerfCapability	. 1.3.6.1.4.1.3902.1082.5 00.10.2.2.2.2.1.99	
zxAnGponOltCurrReset	. 1.3.6.1.4.1.3902.1082.5 00.10.2.2.2.2.1.100	

8.5 GPON ONU PON Layer Realtime Statistics

8.5.1 Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOnuCurrPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuUsCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.1	
zxAnGponOnuUsGemPayloadBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.2	
zxAnGponOnuUsCorrectEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.3	
zxAnGponOnuUsErrEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.4	
zxAnGponOnuUsPloamMsgs	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.10.2.3.2.2.1.5	
zxAnGponOnuUsOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.6	
zxAnGponOnuUsErrBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.7	
zxAnGponOnuUsTotalBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.8	
zxAnGponOnuUsCrcErrPkts	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.9	
zxAnGponOnuUsLostBursts	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.10	
zxAnGponOnuDsCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.11	
zxAnGponOnuDsPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.12	
zxAnGponOnuDsOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.13	
zxAnGponOnuReiis	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.14	
zxAnGponOnuCorrectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.15	
zxAnGponOnuCorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.16	
zxAnGponOnuUncorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.17	
zxAnGponOnuTotalRxWords	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.10.2.3.2.2.1.18	
zxAnGponOnuUsBer	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.19	
zxAnGponOnuPerfCapability	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.99	
zxAnGponOnuCurrReset	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.100	

8.6 Ethernet Interface Performance

[MIB file]:

ZTE-AN-INTERFACE-STATS-MIB.mib

ZTE-AN-INTERFACE-ETH-PERF-MIB.mib

8.6.1 Realtime Performance

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfInOctets	1.3.6.1.4.1.3902.1082.30.31.2.2.1.1	Counter64
zxAnEthIfInPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.2	Counter64
zxAnEthIfInUcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.3	Counter64
zxAnEthIfInMcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.4	Counter64
zxAnEthIfInBcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1	Counter64

MIB Variable	OID	Description
	.5	
zxAnEthIfInOversizedPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.6	Counter64
zxAnEthIfInUndersizedPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.7	Counter64
zxAnEthIfOutOctets	1.3.6.1.4.1.3902.1082.30.31.2.2.1.8	Counter64
zxAnEthIfOutPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.9	Counter64
zxAnEthIfOutUcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.10	Counter64
zxAnEthIfOutMcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.11	Counter64
zxAnEthIfOutBcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.12	Counter64
zxAnEthIfOutPausePkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.13	Counter64
zxAnEthIfOutDiscardPkts	1.3.6.1.4.1.3902.1082.30.31.2.2.1.14	Counter64
zxAnEthIfOutCollisions	1.3.6.1.4.1.3902.1082.30.31.2.2.1.15	Counter64
zxAnEthIfSingleCollisions	1.3.6.1.4.1.3902.1082.30.31.2.2.1.16	Counter64
zxAnEthIfMultipleCollisions	1.3.6.1.4.1.3902.1082.30.31.2.2.1.17	Counter64
zxAnEthIfFcsErrors	1.3.6.1.4.1.3902.1082.30.31.2.2.1.18	Counter64
zxAnEthIfAlignmentErrors	1.3.6.1.4.1.3902.1082.30.31.2.2.1.19	Counter64
zxAnEthIfReset	1.3.6.1.4.1.3902.1082.30.31.2.2.1.100	INTEGER { perfReset (1) }

8.6.2　15-Minute Realtime Performance

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfC15MTimeElapsed	1.3.6.1.4.1.3902.1082.30.32.2.2.1.1	Gauge32 （ 0 .. 899 ）
zxAnEthIfC15MInOctets	1.3.6.1.4.1.3902.1082.30.32.2.2.1.2	Counter64
zxAnEthIfC15MInPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.3	Counter64
zxAnEthIfC15MInUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.4	Counter64
zxAnEthIfC15MInMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.5	Counter64
zxAnEthIfC15MInBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.6	Counter64
zxAnEthIfC15MInOversizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.7	Counter64
zxAnEthIfC15MInUndersizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.8	Counter64
zxAnEthIfC15MOutOctets	1.3.6.1.4.1.3902.1082.30.32.2.2.1.9	Counter64
zxAnEthIfC15MOutPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.10	Counter64
zxAnEthIfC15MOutUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.11	Counter64
zxAnEthIfC15MOutMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.12	Counter64
zxAnEthIfC15MOutBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.13	Counter64
zxAnEthIfC15MOutPausePkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.14	Counter64
zxAnEthIfC15MOutDiscardPkts	1.3.6.1.4.1.3902.1082.30.32.2.2.1.15	Counter64
zxAnEthIfC15MOutCollisions	1.3.6.1.4.1.3902.1082.30.32.2.2.1.16	Counter64
zxAnEthIfC15MSingleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.2.1.17	Counter64
zxAnEthIfC15MMultipleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.2.1.18	Counter64
zxAnEthIfC15MFcsErrors	1.3.6.1.4.1.3902.1082.30.32.2.2.	Counter64

MIB Variable	OID	Description
	1.19	
zxAnEthIfC15MAlignmentErrors	1.3.6.1.4.1.3902.1082.30.32.2.2.1.20	Counter64
zxAnEthIfC15MReset	1.3.6.1.4.1.3902.1082.30.32.2.2.1.100	INTEGER { perfReset (1) }

8.6.3   24-Hour Realtime Performance

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfC1DTimeElapsed	1.3.6.1.4.1.3902.1082.30.32.2.3.1.1	Gauge32 (0 .. 86399)
zxAnEthIfC1DInOctets	1.3.6.1.4.1.3902.1082.30.32.2.3.1.2	Counter64
zxAnEthIfC1DInPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.3	Counter64
zxAnEthIfC1DInUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.4	Counter64
zxAnEthIfC1DInMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.5	Counter64
zxAnEthIfC1DInBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.6	Counter64
zxAnEthIfC1DInOversizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.7	Counter64
zxAnEthIfC1DInUndersizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.8	Counter64
zxAnEthIfC1DOutOctets	1.3.6.1.4.1.3902.1082.30.32.2.3.1.9	Counter64
zxAnEthIfC1DOutPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.10	Counter64
zxAnEthIfC1DOutUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.11	Counter64
zxAnEthIfC1DOutMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.	Counter64

MIB Variable	OID	Description
	1.12	
zxAnEthIfC1DOutBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.13	Counter64
zxAnEthIfC1DOutPausePkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.14	Counter64
zxAnEthIfC1DOutDiscardPkts	1.3.6.1.4.1.3902.1082.30.32.2.3.1.15	Counter64
zxAnEthIfC1DOutCollisions	1.3.6.1.4.1.3902.1082.30.32.2.3.1.16	Counter64
zxAnEthIfC1DSingleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.3.1.17	Counter64
zxAnEthIfC1DMultipleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.3.1.18	Counter64
zxAnEthIfC1DFcsErrors	1.3.6.1.4.1.3902.1082.30.32.2.3.1.19	Counter64
zxAnEthIfC1DAlignmentErrors	1.3.6.1.4.1.3902.1082.30.32.2.3.1.20	Counter64
zxAnEthIfC1DReset	1.3.6.1.4.1.3902.1082.30.32.2.3.1.100	INTEGER { perfReset (1) }

8.6.4   15-Minute History Performance

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfH15MIntervalNo	1.3.6.1.4.1.3902.1082.30.32.2.4.1.1	Integer32 (1 .. 96)
zxAnEthIfH15MIntervalValidData	1.3.6.1.4.1.3902.1082.30.32.2.4.1.2	TruthValue
zxAnEthIfH15MDateTime	1.3.6.1.4.1.3902.1082.30.32.2.4.1.3	DateAndTime
zxAnEthIfH15MInOctets	1.3.6.1.4.1.3902.1082.30.32.2.4.1.4	Counter64
zxAnEthIfH15MInPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.	Counter64

MIB Variable	OID	Description
	1.5	
zxAnEthIfH15MInUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.6	Counter64
zxAnEthIfH15MInMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.7	Counter64
zxAnEthIfH15MInBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.8	Counter64
zxAnEthIfH15MInOversizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.9	Counter64
zxAnEthIfH15MInUndersizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.10	Counter64
zxAnEthIfH15MOutOctets	1.3.6.1.4.1.3902.1082.30.32.2.4.1.11	Counter64
zxAnEthIfH15MOutPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.12	Counter64
zxAnEthIfH15MOutUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.13	Counter64
zxAnEthIfH15MOutMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.14	Counter64
zxAnEthIfH15MOutBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.15	Counter64
zxAnEthIfH15MOutPausePkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.16	Counter64
zxAnEthIfH15MOutDiscardPkts	1.3.6.1.4.1.3902.1082.30.32.2.4.1.17	Counter64
zxAnEthIfH15MOutCollisions	1.3.6.1.4.1.3902.1082.30.32.2.4.1.18	Counter64
zxAnEthIfH15MSingleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.4.1.19	Counter64
zxAnEthIfH15MMultipleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.4.1.20	Counter64
zxAnEthIfH15MFcsErrors	1.3.6.1.4.1.3902.1082.30.32.2.4.1.21	Counter64
zxAnEthIfH15MAlignmentErrors	1.3.6.1.4.1.3902.1082.30.32.2.4.1.22	Counter64

8.6.5 24-Hour History Performance

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfH1DIntervalNo	1.3.6.1.4.1.3902.1082.30.32.2.5.1.1	Integer32 (1 .. 7)
zxAnEthIfH1DIntervalValidData	1.3.6.1.4.1.3902.1082.30.32.2.5.1.2	TruthValue
zxAnEthIfH1DDateTime	1.3.6.1.4.1.3902.1082.30.32.2.5.1.3	DateAndTime
zxAnEthIfH1DInOctets	1.3.6.1.4.1.3902.1082.30.32.2.5.1.4	Counter64
zxAnEthIfH1DInPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.5	Counter64
zxAnEthIfH1DInUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.6	Counter64
zxAnEthIfH1DInMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.7	Counter64
zxAnEthIfH1DInBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.8	Counter64
zxAnEthIfH1DInOversizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.9	Counter64
zxAnEthIfH1DInUndersizedPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.10	Counter64
zxAnEthIfH1DOutOctets	1.3.6.1.4.1.3902.1082.30.32.2.5.1.11	Counter64
zxAnEthIfH1DOutPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.12	Counter64
zxAnEthIfH1DOutUcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.13	Counter64
zxAnEthIfH1DOutMcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.14	Counter64
zxAnEthIfH1DOutBcastPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.15	Counter64

MIB Variable	OID	Description
zxAnEthIfH1DOutPausePkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.16	Counter64
zxAnEthIfH1DOutDiscardPkts	1.3.6.1.4.1.3902.1082.30.32.2.5.1.17	Counter64
zxAnEthIfH1DOutCollisions	1.3.6.1.4.1.3902.1082.30.32.2.5.1.18	Counter64
zxAnEthIfH1DSingleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.5.1.19	Counter64
zxAnEthIfH1DMultipleCollisions	1.3.6.1.4.1.3902.1082.30.32.2.5.1.20	Counter64
zxAnEthIfH1DFcsErrors	1.3.6.1.4.1.3902.1082.30.32.2.5.1.21	Counter64
zxAnEthIfH1DAlignmentErrors	1.3.6.1.4.1.3902.1082.30.32.2.5.1.22	Counter64

8.6.6   Performance Threshold Alarm Profile

[Index description]:

{ zxAnEthIfAlmProfileName, zxAnEthIfPerfVariable }

[MIB variable description]:

zxAnEthIfAlmProfileEntry

MIB Variable	OID	Description
zxAnEthIfAlmProfileName	1.3.6.1.4.1.3902.1082.30.32.2.6.1.1	DisplayString (SIZE (1 .. 32))
zxAnEthIfAlmProfileRowStatus	1.3.6.1.4.1.3902.1082.30.32.2.8.1.50	RowStatus

zxAnEthIfAlmProfileConfEntry

MIB Variable	OID	Description
zxAnEthIfAlmProfileName	1.3.6.1.4.1.3902.1082.30.32.2.6.1.1	DisplayString (SIZE (1 .. 32))
zxAnEthIfPerfVariable	1.3.6.1.4.1.3902.1082.30.32.2.6.1.2	OBJECT IDENTIFIER
zxAnEthIfRiseAlmThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.3	HCPerfCurrentCount

MIB Variable	OID	Description
zxAnEthIfClrRiseAlmThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.4	HCPerfCurrentCount
zxAnEthIfRiseWarnThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.5	HCPerfCurrentCount
zxAnEthIfClrRiseWarnThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.6	HCPerfCurrentCount
zxAnEthIfFallWarnThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.7	HCPerfCurrentCount
zxAnEthIfClrFallWarnThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.8	HCPerfCurrentCount
zxAnEthIfFallAlmThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.9	HCPerfCurrentCount
zxAnEthIfClrFallAlmThresh	1.3.6.1.4.1.3902.1082.30.32.2.6.1.10	HCPerfCurrentCount
zxAnEthIfThreshUsed	1.3.6.1.4.1.3902.1082.30.32.2.6.1.11	BITS { riseAlmThresh (0) , riseAlmClrThresh (1) , riseWarnThresh (2) , riseWarnClrThresh (3) , fallWarnThresh (4) , fallWarnClrThresh (5) , fallAlmThresh (6) , fallAlmClrThresh (7) }
zxAnEthIfAlmProfileConfRowStatus	1.3.6.1.4.1.3902.1082.30.32.2.6.1.12	RowStatus

8.6.7   Performance Alarm Profile Loading

[Index description]:

{ ifIndex }. Type 1 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnEthIfAlmPrf	1.3.6.1.4.1.3902.1082.30.32.2.7.1.1	DisplayString (SIZE (1 .. 32))
zxAnEthIfAlmPrfApplyRowStatus	1.3.6.1.4.1.3902.1082.30.32.2.7.1.50	RowStatus

8.7 VPORT Performance

8.7.1 Startup and Stop

[MIB file]:

Please refer to zxAnGponSrvVportCurrPerfTable defined in **_ZTE-AN-GPON-SERVICE-MIB.mib_**.

MIB Variable	OID	MIB Value	Description
zxAnGponVportCurr RowStatus	. 1.3.6.1.4.1.3902.1082. 500.10.2.3.12.2.1.101	RowStatus	

8.7.2 Realtime Performance

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	Second-level index
zxAnBrgIfInOctets	1.3.6.1.4.1.3902.1082.30.31.2.3.1.1	Counter64
zxAnBrgIfInUcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.2	Counter64
zxAnBrgIfInMcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.3	Counter64
zxAnBrgIfInBcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.4	Counter64

MIB Variable	OID	Description
zxAnBrgIfOutOctets	1.3.6.1.4.1.3902.1082.30.31.2.3.1.5	Counter64
zxAnBrgIfOutUcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.6	Counter64
zxAnBrgIfOutMcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.7	Counter64
zxAnBrgIfOutBcastPkts	1.3.6.1.4.1.3902.1082.30.31.2.3.1.8	Counter64
zxAnBrgIfReset	1.3.6.1.4.1.3902.1082.30.31.2.3.1.100	INTEGER { perfReset (1) }

[MIB description]:

Please refer to ZTE-AN-INTERFACE-STATS-MIB.mib.

zxAnBrgIfCurrStatsTable   OBJECT-MIB value

 SYNTAX   SEQUENCE OF ZxAnBrgIfCurrStatsEntry

 MAX-ACCESS not-accessible

 STATUS   current

 Description

  "Current performance data table of bridge interfaces."

 ::= { zxAnIfPerfObjects 3 }

zxAnBrgIfCurrStatsEntry   OBJECT-MIB value

 SYNTAX   ZxAnBrgIfCurrStatsEntry

 MAX-ACCESS not-accessible

 STATUS   current

 Description

  "Current performance data entry of bridge interfaces."

INDEX   { ifIndex}

::= { zxAnBrgIfCurrStatsTable 1 }

ZxAnBrgIfCurrStatsEntry ::= SEQUENCE {

zxAnBrgIfInOctets   Counter64,

zxAnBrgIfInUcastPkts   Counter64,

zxAnBrgIfInMcastPkts   Counter64,

zxAnBrgIfInBcastPkts   Counter64,

zxAnBrgIfOutOctets   Counter64,

zxAnBrgIfOutUcastPkts   Counter64,

zxAnBrgIfOutMcastPkts   Counter64,

zxAnBrgIfOutBcastPkts   Counter64,

zxAnBrgIfReset   INTEGER

}

8.7.3   15-Minute Realtime Performance

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	二级索引
zxAnBrgIfC15MTimeElapsed	1.3.6.1.4.1.3902.1082.30.33.2.2.1.1	Gauge32 （ 0 .. 899 ）
zxAnBrgIfC15MInOctets	1.3.6.1.4.1.3902.1082.30.33.2.2.1.2	Counter64

MIB Variable	OID	Description
zxAnBrgIfC15MInUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.3	Counter64
zxAnBrgIfC15MInMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.4	Counter64
zxAnBrgIfC15MInBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.5	Counter64
zxAnBrgIfC15MOutOctets	1.3.6.1.4.1.3902.1082.30.33.2.2.1.6	Counter64
zxAnBrgIfC15MOutUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.7	Counter64
zxAnBrgIfC15MOutMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.8	Counter64
zxAnBrgIfC15MOutBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.2.1.9	Counter64
zxAnBrgIfC15MReset	1.3.6.1.4.1.3902.1082.30.33.2.2.1.100	INTEGER { perfReset (1) }

[MIB description]:

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfCurr15MinPerfTable   OBJECT-MIB value

    SYNTAX   SEQUENCE OF ZxAnBrgIfCurr15MinPerfEntry

    MAX-ACCESS not-accessible

    STATUS   current

    Description

      "The 15 minutes interval performance data table of the bridge

      interfaces."

    ::= { zxAnBrgIfPerfObjects 2 }

zxAnBrgIfCurr15MinPerfEntry   OBJECT-Type

SYNTAX   ZxAnBrgIfCurr15MinPerfEntry

MAX-ACCESS not-accessible

STATUS   current

Description

   "The 15 minutes interval performance data entry of the bridge

   interfaces."

INDEX   { ifIndex}

::= { zxAnBrgIfCurr15MinPerfTable 1 }

ZxAnBrgIfCurr15MinPerfEntry ::= SEQUENCE {

   zxAnBrgIfC15MTimeElapsed   Gauge32,

   zxAnBrgIfC15MInOctets   Counter64,

   zxAnBrgIfC15MInUcastPkts   Counter64,

   zxAnBrgIfC15MInMcastPkts   Counter64,

   zxAnBrgIfC15MInBcastPkts   Counter64,

   zxAnBrgIfC15MOutOctets   Counter64,

   zxAnBrgIfC15MOutUcastPkts   Counter64,

   zxAnBrgIfC15MOutMcastPkts   Counter64,

   zxAnBrgIfC15MOutBcastPkts   Counter64,

   zxAnBrgIfC15MReset   INTEGER

   }

8.7.4   24-Hour Realtime Performance

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	Second-level index
zxAnBrgIfC1DTimeElapsed	1.3.6.1.4.1.3902.1082.30.33.2.3.1.1	Gauge32 (0 .. 86399)
zxAnBrgIfC1DInOctets	1.3.6.1.4.1.3902.1082.30.33.2.3.1.2	Counter64
zxAnBrgIfC1DInUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.3	Counter64
zxAnBrgIfC1DInMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.4	Counter64
zxAnBrgIfC1DInBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.5	Counter64
zxAnBrgIfC1DOutOctets	1.3.6.1.4.1.3902.1082.30.33.2.3.1.6	Counter64
zxAnBrgIfC1DOutUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.7	Counter64
zxAnBrgIfC1DOutMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.8	Counter64
zxAnBrgIfC1DOutBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.3.1.9	Counter64
zxAnBrgIfC1DReset	1.3.6.1.4.1.3902.1082.30.33.2.3.1.100	INTEGER { perfReset (1) }

MIB description：

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfCurr1DayPerfTable   OBJECT-MIB value

    SYNTAX   SEQUENCE OF ZxAnBrgIfCurr1DayPerfEntry

    MAX-ACCESS not-accessible

    STATUS   current

Description

"The 1 day interval performance data table of the bridge

interfaces."

::= { zxAnBrgIfPerfObjects 3 }

zxAnBrgIfCurr1DayPerfEntry   OBJECT-Type

SYNTAX   ZxAnBrgIfCurr1DayPerfEntry

MAX-ACCESS not-accessible

STATUS   current

Description

"The 1 day interval performance data entry of the bridge

interfaces."

INDEX   { ifIndex}

::= { zxAnBrgIfCurr1DayPerfTable 1 }

ZxAnBrgIfCurr1DayPerfEntry ::= SEQUENCE {

zxAnBrgIfC1DTimeElapsed   Gauge32,

zxAnBrgIfC1DInOctets   Counter64,

zxAnBrgIfC1DInUcastPkts   Counter64,

zxAnBrgIfC1DInMcastPkts   Counter64,

zxAnBrgIfC1DInBcastPkts   Counter64,

zxAnBrgIfC1DOutOctets   Counter64,

zxAnBrgIfC1DOutUcastPkts   Counter64,

zxAnBrgIfC1DOutMcastPkts   Counter64,

zxAnBrgIfC1DOutBcastPkts   Counter64,

zxAnBrgIfC1DReset   INTEGER

}

8.7.5   15-Minute History Performance

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	Second-level index
zxAnBrgIfH15MIntervalNo	1.3.6.1.4.1.3902.1082.30.33.2.4.1.1	Third-level index Integer32 (1 .. 96)
zxAnBrgIfH15MIntervalValidData	1.3.6.1.4.1.3902.1082.30.33.2.4.1.2	TruthValue
zxAnBrgIfH15MDateTime	1.3.6.1.4.1.3902.1082.30.33.2.4.1.3	DateAndTime
zxAnBrgIfH15MInOctets	1.3.6.1.4.1.3902.1082.30.33.2.4.1.4	Counter64
zxAnBrgIfH15MInUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.5	Counter64
zxAnBrgIfH15MInMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.6	Counter64
zxAnBrgIfH15MInBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.7	Counter64
zxAnBrgIfH15MOutOctets	1.3.6.1.4.1.3902.1082.30.33.2.4.1.8	Counter64
zxAnBrgIfH15MOutUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.9	Counter64
zxAnBrgIfH15MOutMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.10	Counter64

MIB Variable	OID	Description
zxAnBrgIfH15MOutBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.4.1.11	Counter64

[MIB description]:

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfHis15MinPerfTable   OBJECT-MIB value

    SYNTAX   SEQUENCE OF ZxAnBrgIfHis15MinPerfEntry

    MAX-ACCESS not-accessible

    STATUS   current

    Description

      "The 15 minutes interval history performance data table of the

      bridge interfaces."

    ::= { zxAnBrgIfPerfObjects 4 }

zxAnBrgIfHis15MinPerfEntry   OBJECT-MIB value

    SYNTAX   ZxAnBrgIfHis15MinPerfEntry

    MAX-ACCESS not-accessible

    STATUS   current

    Description

      "The 15 minutes interval performance data entry of the bridge

      interfaces."

    INDEX   { ifIndex,zxAnBrgIfH15MIntervalNo }

    ::= { zxAnBrgIfHis15MinPerfTable 1 }

```
ZxAnBrgIfHis15MinPerfEntry ::= SEQUENCE {

    zxAnBrgIfH15MIntervalNo          Integer32,

    zxAnBrgIfH15MIntervalValidData      TruthValue,

    zxAnBrgIfH15MDateTime            DateAndTime,

    zxAnBrgIfH15MInOctets           Counter64,

    zxAnBrgIfH15MInUcastPkts          Counter64,

    zxAnBrgIfH15MInMcastPkts          Counter64,

    zxAnBrgIfH15MInBcastPkts          Counter64,

    zxAnBrgIfH15MOutOctets           Counter64,

    zxAnBrgIfH15MOutUcastPkts          Counter64,

    zxAnBrgIfH15MOutMcastPkts          Counter64,

    zxAnBrgIfH15MOutBcastPkts          Counter64

    }
```

8.7.6   24-Hour History Performance

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	Second-level index
zxAnBrgIfH1DIntervalNo	1.3.6.1.4.1.3902.1082.30.33.2.5.1.1	Third-level index Integer32（1 .. 7）

MIB Variable	OID	Description
zxAnBrgIfH1DIntervalValidData	1.3.6.1.4.1.3902.1082.30.33.2.5.1.2	TruthValue
zxAnBrgIfH1DDateTime	1.3.6.1.4.1.3902.1082.30.33.2.5.1.3	DateAndTime
zxAnBrgIfH1DInOctets	1.3.6.1.4.1.3902.1082.30.33.2.5.1.4	Counter64
zxAnBrgIfH1DInUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.5	Counter64
zxAnBrgIfH1DInMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.6	Counter64
zxAnBrgIfH1DInBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.7	Counter64
zxAnBrgIfH1DOutOctets	1.3.6.1.4.1.3902.1082.30.33.2.5.1.8	Counter64
zxAnBrgIfH1DOutUcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.9	Counter64
zxAnBrgIfH1DOutMcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.10	Counter64
zxAnBrgIfH1DOutBcastPkts	1.3.6.1.4.1.3902.1082.30.33.2.5.1.11	Counter64

[MIB description]:

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfHis1DayPerfTable   OBJECT-MIB value

　　SYNTAX   SEQUENCE OF ZxAnBrgIfHis1DayPerfEntry

　　MAX-ACCESS not-accessible

　　STATUS   current

　　Description

　　　"The 1 day interval history performance data table of the bridge

　　　interfaces."

::= { zxAnBrgIfPerfObjects 5 }

zxAnBrgIfHis1DayPerfEntry   OBJECT-MIB value

SYNTAX   ZxAnBrgIfHis1DayPerfEntry

MAX-ACCESS not-accessible

STATUS   current

Description

"The 1 day interval performance data entry of the bridge

interfaces."

INDEX   { ifIndex,zxAnBrgIfH1DIntervalNo }

::= { zxAnBrgIfHis1DayPerfTable 1 }

ZxAnBrgIfHis1DayPerfEntry ::= SEQUENCE {

zxAnBrgIfH1DIntervalNo   Integer32,

zxAnBrgIfH1DIntervalValidData   TruthValue,

zxAnBrgIfH1DDateTime   DateAndTime,

zxAnBrgIfH1DInOctets   Counter64,

zxAnBrgIfH1DInUcastPkts   Counter64,

zxAnBrgIfH1DInMcastPkts   Counter64,

zxAnBrgIfH1DInBcastPkts   Counter64,

zxAnBrgIfH1DOutOctets   Counter64,

zxAnBrgIfH1DOutUcastPkts   Counter64,

zxAnBrgIfH1DOutMcastPkts   Counter64,

zxAnBrgIfH1DOutBcastPkts　　　　Counter64

}

8.7.7　Performance Threshold Alarm Profile

[Index description]:

{ zxAnBrgIfAlmProfileName }, first-level index.

{ zxAnBrgIfPerfVariable }, second-level index.

[MIB variable description]:

MIB Variable	OID	Description
zxAnBrgIfAlmProfileName	1.3.6.1.4.1.3902.1082.30.33.2.6.1.1	First-level index DisplayString (SIZE (1 .. 32))
zxAnBrgIfPerfVariable	1.3.6.1.4.1.3902.1082.30.33.2.6.1.2	Second-level index OBJECT IDENTIFIER
zxAnBrgIfRiseAlmThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.3	HCPerfCurrentCount
zxAnBrgIfClrRiseAlmThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.4	HCPerfCurrentCount
zxAnBrgIfRiseWarnThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.5	HCPerfCurrentCount
zxAnBrgIfClrRiseWarnThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.6	HCPerfCurrentCount
zxAnBrgIfFallWarnThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.7	HCPerfCurrentCount
zxAnBrgIfClrFallWarnThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.8	HCPerfCurrentCount
zxAnBrgIfFallAlmThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.9	HCPerfCurrentCount
zxAnBrgIfClrFallAlmThresh	1.3.6.1.4.1.3902.1082.30.33.2.6.1.10	HCPerfCurrentCount
zxAnBrgIfThreshUsed	1.3.6.1.4.1.3902.1082.30.33.2.6.1.11	BITS { riseAlmThresh (0) , riseAlmClrThresh

MIB Variable	OID	Description
		(1) , riseWarnThresh (2) , riseWarnClrThresh (3) , fallWarnThresh (4) , fallWarnClrThresh (5) , fallAlmThresh (6) , fallAlmClrThresh (7) }
zxAnBrgIfAlmProfileConfRowStatus	1.3.6.1.4.1.3902.1082.30.33.2.6.1.50	RowStatus

[MIB description]:

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfAlmProfileTable   OBJECT-MIB value

SYNTAX   SEQUENCE OF ZxAnBrgIfAlmProfileEntry

MAX-ACCESS not-accessible

STATUS   current

Description

"The performance alarm threshold profile table of the bridge

interfaces. It can be used to delete all of the performance alarm

threshold profiles which has the same name configured in

'zxAnBrgIfAlmProfileConfTable'."

::= { zxAnBrgIfPerfObjects 8 }

zxAnBrgIfAlmProfileEntry   OBJECT-Type

SYNTAX   ZxAnBrgIfAlmProfileEntry

MAX-ACCESS not-accessible

STATUS   current

Description

   "The performance alarm threshold profile entry of the bridge

   interfaces."

INDEX   { zxAnBrgIfAlmProfileName}

::= { zxAnBrgIfAlmProfileTable 1 }

ZxAnBrgIfAlmProfileEntry ::= SEQUENCE {

zxAnBrgIfAlmProfileRowStatus   RowStatus

}

zxAnBrgIfAlmProfileConfTable   OBJECT-MIB value

SYNTAX   SEQUENCE OF ZxAnBrgIfAlmProfileConfEntry

MAX-ACCESS not-accessible

STATUS   current

Description

   "The performance alarm threshold profile table of the bridge

   interfaces."

::= { zxAnBrgIfPerfObjects 6 }

zxAnBrgIfAlmProfileConfEntry   OBJECT-MIB value

SYNTAX   ZxAnBrgIfAlmProfileConfEntry

MAX-ACCESS not-accessible

STATUS   current

Description

"The performance alarm threshold profile table of the bridge

interfaces.These variables in the profile configuration is optional,

if not configured, it means the correspongding alarm is not

reported, but the alarm and clear alarm threshold configuration is

needed to bind. "

INDEX   { zxAnBrgIfAlmProfileName, zxAnBrgIfPerfVariable }

::= { zxAnBrgIfAlmProfileConfTable 1 }

ZxAnBrgIfAlmProfileConfEntry ::= SEQUENCE {

zxAnBrgIfAlmProfileName   DisplayString,

zxAnBrgIfPerfVariable   OBJECT IDENTIFIER,

zxAnBrgIfRiseAlmThresh   HCPerfCurrentCount,

zxAnBrgIfClrRiseAlmThresh   HCPerfCurrentCount,

zxAnBrgIfRiseWarnThresh   HCPerfCurrentCount,

zxAnBrgIfClrRiseWarnThresh   HCPerfCurrentCount,

zxAnBrgIfFallWarnThresh   HCPerfCurrentCount,

zxAnBrgIfClrFallWarnThresh   HCPerfCurrentCount,

zxAnBrgIfFallAlmThresh   HCPerfCurrentCount,

zxAnBrgIfClrFallAlmThresh   HCPerfCurrentCount,

zxAnBrgIfThreshUsed   BITS,

zxAnBrgIfAlmProfileConfRowStatus   RowStatus

    }

8.7.8   Performance Alarm Profile Loading

[Index description]:

{ ifIndex }. Type 4 or type 10 platform composite index.

[MIB variable description]:

MIB Variable	OID	Description
ifIndex	1.3.6.1.2.1.2.2.1.1	Type 1 platform composite index
zxAnSubIfIndex	1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	Second-level index
zxAnBrgIfAlmPrf	1.3.6.1.4.1.3902.1082.30.33.2.7.1.1	DisplayString (SIZE (1 .. 32))
zxAnBrgIfAlmPrfApplyRowStatus	1.3.6.1.4.1.3902.1082.30.33.2.7.1.50	RowStatus

[MIB description]:

Refer to ZTE-AN-INTERFACE-BRG-PERF-MIB.mib.

zxAnBrgIfAlmProfileApplyTable   OBJECT-MIB value

    SYNTAX   SEQUENCE OF ZxAnBrgIfAlmProfileApplyEntry

    MAX-ACCESS not-accessible

    STATUS   current

    Description

        "The performance alarm threshold profile configuration table of

        the bridge interfaces."

    ::= { zxAnBrgIfPerfObjects 7 }

zxAnBrgIfAlmProfileApplyEntry   OBJECT-MIB value

SYNTAX   ZxAnBrgIfAlmProfileApplyEntry

MAX-ACCESS not-accessible

STATUS   current

Description

"The performance alarm threshold profile configuration entry of

the bridge interfaces."

INDEX   { ifIndex }

::= { zxAnBrgIfAlmProfileApplyTable 1 }

ZxAnBrgIfAlmProfileApplyEntry ::= SEQUENCE {

zxAnBrgIfAlmPrf   DisplayString,

zxAnBrgIfAlmPrfApplyRowStatus   RowStatus

}

8.8   OLT Ethernet Performance

This function is enabled by default.

8.8.1   Realtime Performance

[MIB file]:

Please refer to zxAnPonOltIfCurrPerfTable defined in ZTE-AN-PON-PERF-MIB.mib.

MIB Variable	OID	Description
zxAnPonOltIfRxOctets	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.2.1.1	
zxAnPonOltIfRxPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.2	
zxAnPonOltIfRxOctet Rate	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.3	
zxAnPonOltIfRxPktR ate	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.4	
zxAnPonOltIfRxOctet PeakRate	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.5	
zxAnPonOltIfRxPktP eakRate	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.6	
zxAnPonOltIfRxUcas tPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.7	
zxAnPonOltIfRxNUc astPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.8	
zxAnPonOltIfRxMcas tPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.9	
zxAnPonOltIfRxBcas tPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.10	
zxAnPonOltIfRxDisc ardPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.11	
zxAnPonOltIfRxErrP kts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.12	
zxAnPonOltIfRxPdr	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.13	
zxAnPonOltIfRxPer	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.2.1.14	
zxAnPonOltIfRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.15	
zxAnPonOltIfRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.16	
zxAnPonOltIfRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.17	
zxAnPonOltIfRxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.18	
zxAnPonOltIfRxPkts65To127Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.19	
zxAnPonOltIfRxPkts128To255Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.20	
zxAnPonOltIfRxPkts256To511Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.21	
zxAnPonOltIfRxPkts512To1023Oct	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.22	
zxAnPonOltIfRxPkts1024To1518Oct	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.23	
zxAnPonOltIfRxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.24	
zxAnPonOltIfRxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.25	
zxAnPonOltIfRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.26	
zxAnPonOltIfRxJabbers	.1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.2.1.27	
zxAnPonOltIfTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.44	
zxAnPonOltIfTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.45	
zxAnPonOltIfTxOctetRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.46	
zxAnPonOltIfTxPktRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.47	
zxAnPonOltIfTxOctetPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.48	
zxAnPonOltIfTxPktPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.49	
zxAnPonOltIfTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.50	
zxAnPonOltIfTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.51	
zxAnPonOltIfTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.52	
zxAnPonOltIfTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.53	
zxAnPonOltIfTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.54	
zxAnPonOltIfTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.55	
zxAnPonOltIfTxPdr	.1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.2.1.56	
zxAnPonOltIfTxPer	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.57	
zxAnPonOltIfTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.58	
zxAnPonOltIfTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.59	
zxAnPonOltIfTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.60	
zxAnPonOltIfTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.61	
zxAnPonOltIfTxPkts65To127Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.62	
zxAnPonOltIfTxPkts128To255Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.63	
zxAnPonOltIfTxPkts256To511Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.64	
zxAnPonOltIfTxPkts512To1023Oct	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.65	
zxAnPonOltIfTxPkts1024To1518Oct	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.66	
zxAnPonOltIfTxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.67	
zxAnPonOltIfTxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.1.2.1.68	
zxAnPonOltIfTxFragments	.1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.2.1.69	
zxAnPonOltIfTxJabbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.70	
zxAnPonOltIfCollisions	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.88	
zxAnPonOltIfDropEvents	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.89	
zxAnPonOltIfCurrPerfCapability	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.99	
zxAnPonOltIfCurrPerfReset	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.2.1.100	

8.8.2   15-Minute Realtime Performance

[MIB file]:

Please refer to zxAnPonOltIfCurr15MinPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOltIfC15MTimeElapsed	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.3.1.1	
zxAnPonOltIfC15MRxOctets	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.3.1.2	
zxAnPonOltIfC15MRxPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.3.1.3	
zxAnPonOltIfC15MRxUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.3.1.4	
zxAnPonOltIfC15MRxNUcastPkts	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.3.1.5	
zxAnPonOltIfC15MRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.6	
zxAnPonOltIfC15MRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.7	
zxAnPonOltIfC15MRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.8	
zxAnPonOltIfC15MRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.9	
zxAnPonOltIfC15MRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.10	
zxAnPonOltIfC15MRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.11	
zxAnPonOltIfC15MRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.12	
zxAnPonOltIfC15MRx64Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.13	
zxAnPonOltIfC15MRx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.14	
zxAnPonOltIfC15MRx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.15	
zxAnPonOltIfC15MRx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.16	
zxAnPonOltIfC15MRx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.17	
zxAnPonOltIfC15MRx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.3.1.18	
zxAnPonOltIfC15MRxFragments	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.19	
zxAnPonOltIfC15MRxJabbers	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.20	
zxAnPonOltIfC15MTxOctets	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.36	
zxAnPonOltIfC15MTxPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.37	
zxAnPonOltIfC15MTxUcastPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.38	
zxAnPonOltIfC15MTxNUcastPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.39	
zxAnPonOltIfC15MTxMcastPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.40	
zxAnPonOltIfC15MTxBcastPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.41	
zxAnPonOltIfC15MTxDiscardPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.42	
zxAnPonOltIfC15MTxErrPkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.43	
zxAnPonOltIfC15MTxCrcAlignErrors	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.44	
zxAnPonOltIfC15MTxUndersizePkts	. 1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.45	
zxAnPonOltIfC15MTxOversizePkts	. 1.3.6.1.4.1.3902.1082.500	

MIB Variable	OID	Description
	.4.2.1.3.1.46	
zxAnPonOltIfC15MTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.47	
zxAnPonOltIfC15MTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.48	
zxAnPonOltIfC15MTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.49	
zxAnPonOltIfC15MTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.50	
zxAnPonOltIfC15MTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.51	
zxAnPonOltIfC15MTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.52	
zxAnPonOltIfC15MTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.53	
zxAnPonOltIfC15MTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.54	
zxAnPonOltIfC15MCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.70	
zxAnPonOltIfC15MDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.71	
zxAnPonOltIfPerfCapability	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.99	
zxAnPonOltIfC15MPerfReset	.1.3.6.1.4.1.3902.1082.500.4.2.1.3.1.100	

8.8.3　24-Hour Realtime Performance

[MIB file]:

Please refer to zxAnPonOltIfCurr1DayPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOltIfC1DTimeElapsed	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.1	
zxAnPonOltIfC1DRxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.2	
zxAnPonOltIfC1DRxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.3	
zxAnPonOltIfC1DRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.4	
zxAnPonOltIfC1DRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.5	
zxAnPonOltIfC1DRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.6	
zxAnPonOltIfC1DRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.7	
zxAnPonOltIfC1DRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.8	
zxAnPonOltIfC1DRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.9	
zxAnPonOltIfC1DRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.10	
zxAnPonOltIfC1DRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.11	

MIB Variable	OID	Description
zxAnPonOltIfC1DRx OversizePkts	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.12	
zxAnPonOltIfC1DRx 64Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.13	
zxAnPonOltIfC1DRx 65To127Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.14	
zxAnPonOltIfC1DRx 128To255Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.15	
zxAnPonOltIfC1DRx 256To511Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.16	
zxAnPonOltIfC1DRx 512To1023Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.17	
zxAnPonOltIfC1DRx 1024To1518Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.18	
zxAnPonOltIfC1DRx Fragments	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.19	
zxAnPonOltIfC1DRx Jabbers	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.20	
zxAnPonOltIfC1DTx Octets	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.36	
zxAnPonOltIfC1DTx Pkts	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.37	
zxAnPonOltIfC1DTx UcastPkts	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.38	
zxAnPonOltIfC1DTx NUcastPkts	.1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.39	

MIB Variable	OID	Description
zxAnPonOltIfC1DTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.40	
zxAnPonOltIfC1DTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.41	
zxAnPonOltIfC1DTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.42	
zxAnPonOltIfC1DTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.43	
zxAnPonOltIfC1DTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.44	
zxAnPonOltIfC1DTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.45	
zxAnPonOltIfC1DTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.46	
zxAnPonOltIfC1DTx64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.47	
zxAnPonOltIfC1DTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.48	
zxAnPonOltIfC1DTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.49	
zxAnPonOltIfC1DTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.50	
zxAnPonOltIfC1DTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.51	
zxAnPonOltIfC1DTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.4.1.52	

MIB Variable	OID	Description
zxAnPonOltIfC1DTx Fragments	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.53	
zxAnPonOltIfC1DTxJ abbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.54	
zxAnPonOltIfC1DCol lisions	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.70	
zxAnPonOltIfC1DDro pEvents	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.71	
zxAnPonOltIfC1DPer fReset	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.4.1.100	

8.8.4 15-Minute History Performance

[MIB file]:

Please refer to zxAnPonOltIfHis15MinPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOltIfH15MIn tervalNo	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.5.1.1	
zxAnPonOltIfH15MV alidData	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.5.1.2	
zxAnPonOltIfH15MD ateAndTime	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.5.1.3	
zxAnPonOltIfH15MR xOctets	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.5.1.4	
zxAnPonOltIfH15MR xPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.5.1.5	

MIB Variable	OID	Description
zxAnPonOltIfH15MRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.6	
zxAnPonOltIfH15MRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.7	
zxAnPonOltIfH15MRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.8	
zxAnPonOltIfH15MRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.9	
zxAnPonOltIfH15MRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.10	
zxAnPonOltIfH15MRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.11	
zxAnPonOltIfH15MRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.12	
zxAnPonOltIfH15MRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.13	
zxAnPonOltIfH15MRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.14	
zxAnPonOltIfH15MRx64Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.15	
zxAnPonOltIfH15MRx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.16	
zxAnPonOltIfH15MRx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.17	
zxAnPonOltIfH15MRx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.18	

MIB Variable	OID	Description
zxAnPonOltIfH15MRx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.19	
zxAnPonOltIfH15MRx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.20	
zxAnPonOltIfH15MRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.21	
zxAnPonOltIfH15MRxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.22	
zxAnPonOltIfH15MTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.36	
zxAnPonOltIfH15MTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.37	
zxAnPonOltIfH15MTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.38	
zxAnPonOltIfH15MTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.39	
zxAnPonOltIfH15MTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.40	
zxAnPonOltIfH15MTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.41	
zxAnPonOltIfH15MTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.42	
zxAnPonOltIfH15MTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.43	
zxAnPonOltIfH15MTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.44	

MIB Variable	OID	Description
zxAnPonOltIfH15MTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.45	
zxAnPonOltIfH15MTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.46	
zxAnPonOltIfH15MTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.47	
zxAnPonOltIfH15MTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.48	
zxAnPonOltIfH15MTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.49	
zxAnPonOltIfH15MTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.50	
zxAnPonOltIfH15MTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.51	
zxAnPonOltIfH15MTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.52	
zxAnPonOltIfH15MTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.53	
zxAnPonOltIfH15MTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.54	
zxAnPonOltIfH15MCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.70	
zxAnPonOltIfH15MDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.1.5.1.71	

8.8.5 24-Hour History Performance

[MIB file]:

Please refer to zxAnPonOltIfHis1DayPerfTable defined in ZTE-AN-PON-PERF-MIB.mib.

MIB Variable	OID	Description
zxAnPonOltIfH1DIntervalNo	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.1	
zxAnPonOltIfH1DValidData	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.2	
zxAnPonOltIfH1DDateAndTime	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.3	
zxAnPonOltIfH1DRxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.4	
zxAnPonOltIfH1DRxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.5	
zxAnPonOltIfH1DRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.6	
zxAnPonOltIfH1DRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.7	
zxAnPonOltIfH1DRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.8	
zxAnPonOltIfH1DRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.9	
zxAnPonOltIfH1DRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.10	
zxAnPonOltIfH1DRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.1.6.1.11	
zxAnPonOltIfH1DRx	.	

MIB Variable	OID	Description
CrcAlignErrors	1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.12	
zxAnPonOltIfH1DRx UndersizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.13	
zxAnPonOltIfH1DRx OversizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.14	
zxAnPonOltIfH1DRx 64Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.15	
zxAnPonOltIfH1DRx 65To127Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.16	
zxAnPonOltIfH1DRx 128To255Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.17	
zxAnPonOltIfH1DRx 256To511Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.18	
zxAnPonOltIfH1DRx 512To1023Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.19	
zxAnPonOltIfH1DRx 1024To1518Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.20	
zxAnPonOltIfH1DRx Fragments	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.21	
zxAnPonOltIfH1DRx Jabbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.22	
zxAnPonOltIfH1DTx Octets	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.36	
zxAnPonOltIfH1DTx Pkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.37	
zxAnPonOltIfH1DTx	.	

MIB Variable	OID	Description
UcastPkts	1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.38	
zxAnPonOltIfH1DTx NUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.39	
zxAnPonOltIfH1DTx McastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.40	
zxAnPonOltIfH1DTx BcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.41	
zxAnPonOltIfH1DTx DiscardPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.42	
zxAnPonOltIfH1DTx ErrPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.43	
zxAnPonOltIfH1DTx CrcAlignErrors	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.44	
zxAnPonOltIfH1DTx UndersizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.45	
zxAnPonOltIfH1DTx OversizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.46	
zxAnPonOltIfH1DTx Pkts64Octets	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.47	
zxAnPonOltIfH1DTx6 5To127Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.48	
zxAnPonOltIfH1DTx1 28To255Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.49	
zxAnPonOltIfH1DTx2 56To511Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.50	
zxAnPonOltIfH1DTx5	.	

MIB Variable	OID	Description
12To1023Octs	1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.51	
zxAnPonOltIfH1DTx1 024To1518Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.52	
zxAnPonOltIfH1DTx Fragments	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.53	
zxAnPonOltIfH1DTxJ abbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.54	
zxAnPonOltIfH1DCol lisions	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.70	
zxAnPonOltIfH1DDro pEvents	. 1.3.6.1.4.1.3902.1082.500 .4.2.1.6.1.71	

8.9 ONU Ethernet Performance

This function is enabled by default.

8.9.1 Realtime Performance

[MIB file]:

Please refer to zxAnPonOnuIfCurrPerfTable defined in ZTE-AN-PON-PERF-MIB.mib.

MIB Variable	OID	Description
zxAnPonOnuIfRxOct ets	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.1	
zxAnPonOnuIfRxPkt s	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.2	
zxAnPonOnuIfRxOct etRate	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.3	

MIB Variable	OID	Description
zxAnPonOnuIfRxPkt Rate	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.4	
zxAnPonOnuIfRxOct etPeakRate	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.5	
zxAnPonOnuIfRxPkt PeakRate	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.6	
zxAnPonOnuIfRxUca stPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.7	
zxAnPonOnuIfRxNU castPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.8	
zxAnPonOnuIfRxMc astPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.9	
zxAnPonOnuIfRxBca stPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.10	
zxAnPonOnuIfRxDis cardPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.11	
zxAnPonOnuIfRxErr Pkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.12	
zxAnPonOnuIfRxPdr	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.13	
zxAnPonOnuIfRxPer	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.14	
zxAnPonOnuIfRxCrc AlignErrors	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.15	
zxAnPonOnuIfRxUnd ersizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.16	

MIB Variable	OID	Description
zxAnPonOnuIfRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.17	
zxAnPonOnuIfRxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.18	
zxAnPonOnuIfRxPkts65To127Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.19	
zxAnPonOnuIfRxPkts128To255Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.20	
zxAnPonOnuIfRxPkts256To511Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.21	
zxAnPonOnuIfRxPkts512To1023Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.22	
zxAnPonOnuIfRxPkts1024To1518Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.23	
zxAnPonOnuIfRxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.24	
zxAnPonOnuIfRxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.25	
zxAnPonOnuIfRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.26	
zxAnPonOnuIfRxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.27	
zxAnPonOnuIfTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.44	
zxAnPonOnuIfTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.45	

MIB Variable	OID	Description
zxAnPonOnuIfTxOctetRate	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.46	
zxAnPonOnuIfTxPktRate	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.47	
zxAnPonOnuIfTxOctetPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.48	
zxAnPonOnuIfTxPktPeakRate	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.49	
zxAnPonOnuIfTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.50	
zxAnPonOnuIfTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.51	
zxAnPonOnuIfTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.52	
zxAnPonOnuIfTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.53	
zxAnPonOnuIfTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.54	
zxAnPonOnuIfTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.55	
zxAnPonOnuIfTxPdr	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.56	
zxAnPonOnuIfTxPer	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.57	
zxAnPonOnuIfTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.58	

MIB Variable	OID	Description
zxAnPonOnuIfTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.59	
zxAnPonOnuIfTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.60	
zxAnPonOnuIfTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.61	
zxAnPonOnuIfTxPkts65To127Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.62	
zxAnPonOnuIfTxPkts128To255Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.63	
zxAnPonOnuIfTxPkts256To511Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.64	
zxAnPonOnuIfTxPkts512To1023Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.65	
zxAnPonOnuIfTxPkts1024To1518Oct	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.66	
zxAnPonOnuIfTxBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.67	
zxAnPonOnuIfTxAvgBwUtilization	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.68	
zxAnPonOnuIfTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.69	
zxAnPonOnuIfTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.70	
zxAnPonOnuIfCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.2.2.1.88	

MIB Variable	OID	Description
zxAnPonOnuIfDropEvents	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.89	
zxAnPonOnuIfCurrPerfCapability	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.99	
zxAnPonOnuIfCurrPerfReset	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.2.1.100	

8.9.2   15-Minute Realtime Performance

[MIB file]:

Please refer to zxAnPonOnuIfCurr15MinPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOnuIfC15MTimeElapsed	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.1	
zxAnPonOnuIfC15MRxOctets	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.2	
zxAnPonOnuIfC15MRxPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.3	
zxAnPonOnuIfC15MRxUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.4	
zxAnPonOnuIfC15MRxNUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.5	
zxAnPonOnuIfC15MRxMcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.6	
zxAnPonOnuIfC15MRxBcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.7	

MIB Variable	OID	Description
zxAnPonOnuIfC15M RxDiscardPkts	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.8	
zxAnPonOnuIfC15M RxErrPkts	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.9	
zxAnPonOnuIfC15M RxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.10	
zxAnPonOnuIfC15M RxUndersizePkts	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.11	
zxAnPonOnuIfC15M RxOversizePkts	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.12	
zxAnPonOnuIfC15M Rx64Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.13	
zxAnPonOnuIfC15M Rx65To127Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.14	
zxAnPonOnuIfC15M Rx128To255Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.15	
zxAnPonOnuIfC15M Rx256To511Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.16	
zxAnPonOnuIfC15M Rx512To1023Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.17	
zxAnPonOnuIfC15M Rx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.18	
zxAnPonOnuIfC15M RxFragments	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.19	
zxAnPonOnuIfC15M RxJabbers	.1.3.6.1.4.1.3902.1082.500 .4.2.2.3.1.20	

MIB Variable	OID	Description
zxAnPonOnuIfC15MTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.36	
zxAnPonOnuIfC15MTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.37	
zxAnPonOnuIfC15MTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.38	
zxAnPonOnuIfC15MTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.39	
zxAnPonOnuIfC15MTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.40	
zxAnPonOnuIfC15MTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.41	
zxAnPonOnuIfC15MTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.42	
zxAnPonOnuIfC15MTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.43	
zxAnPonOnuIfC15MTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.44	
zxAnPonOnuIfC15MTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.45	
zxAnPonOnuIfC15MTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.46	
zxAnPonOnuIfC15MTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.47	
zxAnPonOnuIfC15MTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.48	

MIB Variable	OID	Description
zxAnPonOnuIfC15MTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.49	
zxAnPonOnuIfC15MTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.50	
zxAnPonOnuIfC15MTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.51	
zxAnPonOnuIfC15MTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.52	
zxAnPonOnuIfC15MTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.53	
zxAnPonOnuIfC15MTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.54	
zxAnPonOnuIfC15MCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.70	
zxAnPonOnuIfC15MDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.71	
zxAnPonOnuIfPerfCapability	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.99	
zxAnPonOnuIfC15MPerfReset	.1.3.6.1.4.1.3902.1082.500.4.2.2.3.1.100	

8.9.3   24-Hour Realtime Performance

[MIB file]:

Please refer to zxAnPonOnuIfCurr1DayPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOnuIfC1DTimeElapsed	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.1	
zxAnPonOnuIfC1DRxOctets	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.2	
zxAnPonOnuIfC1DRxPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.3	
zxAnPonOnuIfC1DRxUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.4	
zxAnPonOnuIfC1DRxNUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.5	
zxAnPonOnuIfC1DRxMcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.6	
zxAnPonOnuIfC1DRxBcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.7	
zxAnPonOnuIfC1DRxDiscardPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.8	
zxAnPonOnuIfC1DRxErrPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.9	
zxAnPonOnuIfC1DRxCrcAlignErrors	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.10	
zxAnPonOnuIfC1DRxUndersizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.11	
zxAnPonOnuIfC1DRxOversizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.12	
zxAnPonOnuIfC1DRx64Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.4.1.13	

MIB Variable	OID	Description
zxAnPonOnuIfC1DRx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.14	
zxAnPonOnuIfC1DRx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.15	
zxAnPonOnuIfC1DRx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.16	
zxAnPonOnuIfC1DRx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.17	
zxAnPonOnuIfC1DRx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.18	
zxAnPonOnuIfC1DRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.19	
zxAnPonOnuIfC1DRxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.20	
zxAnPonOnuIfC1DTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.36	
zxAnPonOnuIfC1DTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.37	
zxAnPonOnuIfC1DTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.38	
zxAnPonOnuIfC1DTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.39	
zxAnPonOnuIfC1DTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.40	
zxAnPonOnuIfC1DTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.41	

MIB Variable	OID	Description
zxAnPonOnuIfC1DTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.42	
zxAnPonOnuIfC1DTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.43	
zxAnPonOnuIfC1DTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.44	
zxAnPonOnuIfC1DTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.45	
zxAnPonOnuIfC1DTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.46	
zxAnPonOnuIfC1DTx64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.47	
zxAnPonOnuIfC1DTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.48	
zxAnPonOnuIfC1DTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.49	
zxAnPonOnuIfC1DTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.50	
zxAnPonOnuIfC1DTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.51	
zxAnPonOnuIfC1DTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.52	
zxAnPonOnuIfC1DTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.53	
zxAnPonOnuIfC1DTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.54	

MIB Variable	OID	Description
zxAnPonOnuIfC1DCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.70	
zxAnPonOnuIfC1DDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.71	
zxAnPonOnuIfC1DPerfReset	.1.3.6.1.4.1.3902.1082.500.4.2.2.4.1.100	

8.9.4   15-Mintue History Performance

[MIB file]:

Please refer to zxAnPonOnuIfHis15MinPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOnuIfH15MIntervalNo	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.1	
zxAnPonOnuIfH15MValidData	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.2	
zxAnPonOnuIfH15MDateAndTime	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.3	
zxAnPonOnuIfH15MRxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.4	
zxAnPonOnuIfH15MRxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.5	
zxAnPonOnuIfH15MRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.6	
zxAnPonOnuIfH15MRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.7	

MIB Variable	OID	Description
zxAnPonOnuIfH15MRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.8	
zxAnPonOnuIfH15MRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.9	
zxAnPonOnuIfH15MRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.10	
zxAnPonOnuIfH15MRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.11	
zxAnPonOnuIfH15MRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.12	
zxAnPonOnuIfH15MRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.13	
zxAnPonOnuIfH15MRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.14	
zxAnPonOnuIfH15MRx64Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.15	
zxAnPonOnuIfH15MRx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.16	
zxAnPonOnuIfH15MRx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.17	
zxAnPonOnuIfH15MRx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.18	
zxAnPonOnuIfH15MRx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.19	
zxAnPonOnuIfH15MRx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.5.1.20	

MIB Variable	OID	Description
zxAnPonOnuIfH15M RxFragments	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.21	
zxAnPonOnuIfH15M RxJabbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.22	
zxAnPonOnuIfH15M TxOctets	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.36	
zxAnPonOnuIfH15M TxPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.37	
zxAnPonOnuIfH15M TxUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.38	
zxAnPonOnuIfH15M TxNUcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.39	
zxAnPonOnuIfH15M TxMcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.40	
zxAnPonOnuIfH15M TxBcastPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.41	
zxAnPonOnuIfH15M TxDiscardPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.42	
zxAnPonOnuIfH15M TxErrPkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.43	
zxAnPonOnuIfH15M TxCrcAlignErrors	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.44	
zxAnPonOnuIfH15M TxUndersizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.45	
zxAnPonOnuIfH15M TxOversizePkts	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.46	

MIB Variable	OID	Description
zxAnPonOnuIfH15M TxPkts64Octets	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.47	
zxAnPonOnuIfH15M Tx65To127Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.48	
zxAnPonOnuIfH15M Tx128To255Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.49	
zxAnPonOnuIfH15M Tx256To511Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.50	
zxAnPonOnuIfH15M Tx512To1023Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.51	
zxAnPonOnuIfH15M Tx1024To1518Octs	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.52	
zxAnPonOnuIfH15M TxFragments	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.53	
zxAnPonOnuIfH15M TxJabbers	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.54	
zxAnPonOnuIfH15M Collisions	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.70	
zxAnPonOnuIfH15M DropEvents	. 1.3.6.1.4.1.3902.1082.500 .4.2.2.5.1.71	

8.9.5   24-Hour History Performance

[MIB file]:

Please refer to zxAnPonOnuIfHis1DayPerfTable defined in ***ZTE-AN-PON-PERF-MIB.mib***.

MIB Variable	OID	Description
zxAnPonOnuIfH1DIntervalNo	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.1	
zxAnPonOnuIfH1DValidData	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.2	
zxAnPonOnuIfH1DDateAndTime	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.3	
zxAnPonOnuIfH1DRxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.4	
zxAnPonOnuIfH1DRxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.5	
zxAnPonOnuIfH1DRxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.6	
zxAnPonOnuIfH1DRxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.7	
zxAnPonOnuIfH1DRxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.8	
zxAnPonOnuIfH1DRxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.9	
zxAnPonOnuIfH1DRxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.10	
zxAnPonOnuIfH1DRxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.11	
zxAnPonOnuIfH1DRxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.12	
zxAnPonOnuIfH1DRxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.13	

MIB Variable	OID	Description
zxAnPonOnuIfH1DRxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.14	
zxAnPonOnuIfH1DRx64Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.15	
zxAnPonOnuIfH1DRx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.16	
zxAnPonOnuIfH1DRx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.17	
zxAnPonOnuIfH1DRx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.18	
zxAnPonOnuIfH1DRx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.19	
zxAnPonOnuIfH1DRx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.20	
zxAnPonOnuIfH1DRxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.21	
zxAnPonOnuIfH1DRxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.22	
zxAnPonOnuIfH1DTxOctets	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.36	
zxAnPonOnuIfH1DTxPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.37	
zxAnPonOnuIfH1DTxUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.38	
zxAnPonOnuIfH1DTxNUcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.39	

MIB Variable	OID	Description
zxAnPonOnuIfH1DTxMcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.40	
zxAnPonOnuIfH1DTxBcastPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.41	
zxAnPonOnuIfH1DTxDiscardPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.42	
zxAnPonOnuIfH1DTxErrPkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.43	
zxAnPonOnuIfH1DTxCrcAlignErrors	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.44	
zxAnPonOnuIfH1DTxUndersizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.45	
zxAnPonOnuIfH1DTxOversizePkts	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.46	
zxAnPonOnuIfH1DTxPkts64Octets	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.47	
zxAnPonOnuIfH1DTx65To127Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.48	
zxAnPonOnuIfH1DTx128To255Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.49	
zxAnPonOnuIfH1DTx256To511Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.50	
zxAnPonOnuIfH1DTx512To1023Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.51	
zxAnPonOnuIfH1DTx1024To1518Octs	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.52	

MIB Variable	OID	Description
zxAnPonOnuIfH1DTxFragments	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.53	
zxAnPonOnuIfH1DTxJabbers	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.54	
zxAnPonOnuIfH1DCollisions	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.70	
zxAnPonOnuIfH1DDropEvents	.1.3.6.1.4.1.3902.1082.500.4.2.2.6.1.71	

8.10   GPON OLT PON Layer Performance

8.10.1   Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOltCurrPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.1	
zxAnGponUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.2	
zxAnGponUsErrGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.3	
zxAnGponUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.4	
zxAnGponUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.5	

MIB Variable	OID	Description
zxAnGponUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.6	
zxAnGponUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.7	
zxAnGponUsErrPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.8	
zxAnGponUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.9	
zxAnGponUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.10	
zxAnGponUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.11	
zxAnGponDsEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.12	
zxAnGponDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.13	
zxAnGponOltReis	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.14	
zxAnGponCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.15	
zxAnGponCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.16	
zxAnGponUncorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.17	
zxAnGponTotalRxWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.18	

MIB Variable	OID	Description
zxAnGponUsBer	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.19	
zxAnGponOltPerfCapability	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.99	
zxAnGponOltCurrReset	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.2.1.100	

8.10.2 15-Minute Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOltCurr15MinPerfTable defined in **ZTE-AN-GPON-SERVICE-MIB.mib**.

MIB Variable	OID	Description
zxAnGponOltC15MTimeElapsed	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.1	
zxAnGponC15MUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.2	
zxAnGponC15MUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.3	
zxAnGponC15MUsErrGemFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.4	
zxAnGponC15MUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.5	
zxAnGponC15MUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.6	
zxAnGponC15MUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.7	
zxAnGponC15MUsPl	.	

oamMsgs	1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.8	
zxAnGponC15MUsE rrPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.9	
zxAnGponC15MUsE rrBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.10	
zxAnGponC15MUsT otalBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.11	
zxAnGponC15MUsC rcErrPkts	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.12	
zxAnGponC15MDsEt herFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.13	
zxAnGponC15MDsPl oamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.14	
zxAnGponC15MReis	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.15	
zxAnGponC15MCorr ectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.16	
zxAnGponC15MCorr ectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.17	
zxAnGponC15MUnc orrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.18	
zxAnGponC15MTotal RxWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.19	
zxAnGponOltC15MR eset	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.100	

8.10.3 24-Hour Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOltCurr1DayPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOltC1DTimeElapsed	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.1	
zxAnGponC1DUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.2	
zxAnGponC1DUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.3	
zxAnGponC1DUsErrGemFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.4	
zxAnGponC1DUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.5	
zxAnGponC1DUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.6	
zxAnGponC1DUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.7	
zxAnGponC1DUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.8	
zxAnGponC1DUsErrPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.9	
zxAnGponC1DUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.10	
zxAnGponC1DUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.11	

MIB Variable	OID	Description
zxAnGponC1DUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.12	
zxAnGponC1DDsEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.13	
zxAnGponC1DDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.14	
zxAnGponC1DReis	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.15	
zxAnGponC1DCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.16	
zxAnGponC1DCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.17	
zxAnGponC1DUncorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.18	
zxAnGponC1DTotalRxWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.19	
zxAnGponOltC1DReset	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.100	

8.10.4   15-Minute History Performance

[MIB file]:

Please refer to zxAnGponSrvOltHis15MinPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOltH15MIntervalNo	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.1	

MIB Variable	OID	Description
zxAnGponOltH15MValidData	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.2	
zxAnGponOltH15MDateAndTime	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.3	
zxAnGponH15MUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.4	
zxAnGponH15MUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.5	
zxAnGponH15MUsErrGemFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.6	
zxAnGponH15MUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.7	
zxAnGponH15MUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.8	
zxAnGponH15MUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.9	
zxAnGponH15MUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.10	
zxAnGponH15MUsErrPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.11	
zxAnGponH15MUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.12	
zxAnGponH15MUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.13	
zxAnGponH15MUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.14	

MIB Variable	OID	Description
zxAnGponH15MDsEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.15	
zxAnGponH15MDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.16	
zxAnGponH15MReis	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.17	
zxAnGponH15MCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.18	
zxAnGponH15MCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.19	
zxAnGponH15MUncorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.20	
zxAnGponH15MTotalRxWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.21	

8.10.5   24-Hour History Performance

[MIB file]:

Please refer to zxAnGponSrvOltHis1DayPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOltH1DIntervalNo	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.1	
zxAnGponOltH1DValidData	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.2	
zxAnGponOltH1DDateAndTime	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.3	

MIB Variable	OID	Description
zxAnGponH1DUsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.4	
zxAnGponH1DUsCorrectIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.5	
zxAnGponH1DUsErrGemFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.6	
zxAnGponH1DUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.7	
zxAnGponH1DUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.8	
zxAnGponH1DUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.9	
zxAnGponH1DUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.10	
zxAnGponH1DUsErrPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.11	
zxAnGponH1DUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.12	
zxAnGponH1DUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.13	
zxAnGponH1DUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.14	
zxAnGponH1DDsEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.15	
zxAnGponH1DDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.7.1.16	

MIB Variable	OID	Description
zxAnGponH1DReis	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.17	
zxAnGponH1DCorrectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.18	
zxAnGponH1DCorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.19	
zxAnGponH1DUncorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.20	
zxAnGponH1DTotalRxWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.21	

8.11 GPON ONU PON Layer Performance

8.11.1 Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOnuCurrPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuUsCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.1	
zxAnGponOnuUsGemPayloadBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.2	
zxAnGponOnuUsCorrectEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.3	
zxAnGponOnuUsErrEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.2.1.4	

MIB Variable	OID	Description
zxAnGponOnuUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.5	
zxAnGponOnuUsOmciMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.6	
zxAnGponOnuUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.7	
zxAnGponOnuUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.8	
zxAnGponOnuUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.9	
zxAnGponOnuUsLostBursts	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.10	
zxAnGponOnuDsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.11	
zxAnGponOnuDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.12	
zxAnGponOnuDsOmciMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.13	
zxAnGponOnuReiis	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.14	
zxAnGponOnuCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.15	
zxAnGponOnuCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.16	
zxAnGponOnuUncorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.17	

MIB Variable	OID	Description
zxAnGponOnuTotalRxWords	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.18	
zxAnGponOnuUsBer	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.19	
zxAnGponOnuPerfCapability	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.99	
zxAnGponOnuCurrReset	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.2.1.100	

8.11.2   15-Minute Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOnuCurr15MinPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuC15MTimeElapsed	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.4.1.1	
zxAnGponOnuC15MUsCorrectNIdleGem	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.2	
zxAnGponOnuC15MUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.3	
zxAnGponOnuC15MUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.4	
zxAnGponOnuC15MUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.5	
zxAnGponOnuC15MUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.4.1.6	

MIB Variable	OID	Description
zxAnGponOnuC15M UsOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.7	
zxAnGponOnuC15M UsErrBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.8	
zxAnGponOnuC15M UsTotalBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.9	
zxAnGponOnuC15M UsCrcErrPkts	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.10	
zxAnGponOnuC15M UsLostBursts	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.11	
zxAnGponOnuC15M DsCorrectNIdleGem	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.12	
zxAnGponOnuC15M DsPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.13	
zxAnGponOnuC15M DsOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.14	
zxAnGponOnuC15M Reiis	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.15	
zxAnGponOnuC15M CorrectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.16	
zxAnGponOnuC15M CorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.17	
zxAnGponOnuC15M UncorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.18	
zxAnGponOnuC15M TotalRxWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.19	

MIB Variable	OID	Description
zxAnGponOnuC15M Reset	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.4.1.100	

8.11.3 24-Hour Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvOnuCurr1DayPerfTable defined in ***ZTE-AN-GPON- SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuC1DTi meElapsed	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.5.1.1	
zxAnGponOnuC1DU sCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.2	
zxAnGponOnuC1DU sGemPayloadBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.3	
zxAnGponOnuC1DU sCorrectEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.4	
zxAnGponOnuC1DU sErrEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.5	
zxAnGponOnuC1DU sPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.6	
zxAnGponOnuC1DU sOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.7	
zxAnGponOnuC1DU sErrBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.8	
zxAnGponOnuC1DU sTotalBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.5.1.9	

MIB Variable	OID	Description
zxAnGponOnuC1DUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.10	
zxAnGponOnuC1DUsLostBursts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.11	
zxAnGponOnuC1DDsCorrectNIdleGems	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.12	
zxAnGponOnuC1DDsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.13	
zxAnGponOnuC1DDsOmciMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.14	
zxAnGponOnuC1DReiis	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.15	
zxAnGponOnuC1DCorrectedBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.16	
zxAnGponOnuC1DCorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.17	
zxAnGponOnuC1DUncorrectedWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.18	
zxAnGponOnuC1DTotalRxWords	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.19	
zxAnGponOnuC1DReset	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.5.1.100	

8.11.4   15-Minute History Performance

[MIB file]:

Please refer to zxAnGponSrvOnuHis15MinPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuH15MIntervalNo	.1.3.6.1.4.1.3902.1082.500.10.2.3.2.6.1.1	
zxAnGponOnuH15MValidData	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.2	
zxAnGponOnuH15MDateAndTime	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.3	
zxAnGponOnuH15MUsCorrectNIdleGem	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.4	
zxAnGponOnuH15MUsGemPayloadBytes	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.5	
zxAnGponOnuH15MUsCorrectEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.6	
zxAnGponOnuH15MUsErrEtherFrm	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.7	
zxAnGponOnuH15MUsPloamMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.8	
zxAnGponOnuH15MUsOmciMsgs	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.9	
zxAnGponOnuH15MUsErrBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.10	
zxAnGponOnuH15MUsTotalBits	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.11	
zxAnGponOnuH15MUsCrcErrPkts	.1.3.6.1.4.1.3902.1082.500.10.2.2.2.6.1.12	
zxAnGponOnuH15M	.	

MIB Variable	OID	Description
UsLostBursts	1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.13	
zxAnGponOnuH15M DsCorrectNIdleGem	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.14	
zxAnGponOnuH15M DsPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.15	
zxAnGponOnuH15M DsOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.16	
zxAnGponOnuH15M Reiis	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.17	
zxAnGponOnuH15M CorrectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.18	
zxAnGponOnuH15M CorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.19	
zxAnGponOnuH15M UncorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.6.1.20	
zxAnGponOnuH15M TotalRxWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.6.1.21	

8.11.5 24-Hour History Performance

[MIB file]:

Please refer to zxAnGponSrvOnuHis1DayPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponOnuH1DIn tervalNo	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.7.1.1	
zxAnGponOnuH1DV	.	

MIB Variable	OID	Description
alidData	1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.2	
zxAnGponOnuH1DD ateAndTime	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.3	
zxAnGponOnuH1DU sCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.4	
zxAnGponOnuH1DU sGemPayloadBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.5	
zxAnGponOnuH1DU sCorrectEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.6	
zxAnGponOnuH1DU sErrEtherFrm	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.7	
zxAnGponOnuH1DU sPloamMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.8	
zxAnGponOnuH1DU sOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.9	
zxAnGponOnuH1DU sErrBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.10	
zxAnGponOnuH1DU sTotalBits	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.11	
zxAnGponOnuH1DU sCrcErrPkts	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.12	
zxAnGponOnuH1DU sLostBursts	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.13	
zxAnGponOnuH1DD sCorrectNIdleGems	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.14	
zxAnGponOnuH1DD	.	

MIB Variable	OID	Description
sPloamMsgs	1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.15	
zxAnGponOnuH1DD sOmciMsgs	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.16	
zxAnGponOnuH1DR eiis	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.17	
zxAnGponOnuH1DC orrectedBytes	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.18	
zxAnGponOnuH1DC orrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.19	
zxAnGponOnuH1DU ncorrectedWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.2.2.7.1.20	
zxAnGponOnuH1DT otalRxWords	. 1.3.6.1.4.1.3902.1082.500 .10.2.3.2.7.1.21	

8.12 GPON GEMPORT Realtime Statistics

8.12.1 Realtime Performance

[MIB file]:

Please refer to zxAnGponSrvGemPortCurrPerfTable defined in ***ZTE-AN-GPON-SERVICE-MIB.mib***.

MIB Variable	OID	Description
zxAnGponGemPortR xOctets	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.1	
zxAnGponGemPortR xUcastPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.2	
zxAnGponGemPortR	.	

MIB Variable	OID	Description
xBcastPkts	1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.3	
zxAnGponGemPortR xMcastPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.4	
zxAnGponGemPortR xDiscardPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.5	
zxAnGponGemPortT xOctets	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.6	
zxAnGponGemPortT xUcastPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.7	
zxAnGponGemPortT xBcastPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.8	
zxAnGponGemPortT xMcastPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.9	
zxAnGponGemPortT xDiscardPkts	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.10	
zxAnGponGemPortR xOctetRate	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.11	
zxAnGponGemPortR xOctetPeakRate	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.12	
zxAnGponGemPortT xOctetRate	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.13	
zxAnGponGemPortT xOctetPeakRate	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.14	
zxAnGponGemPortP erfCapability	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.99	
zxAnGponGemPortC	.	

MIB Variable	OID	Description
urrReset	1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.100	
zxAnGponGemPortC urrRowStatus	. 1.3.6.1.4.1.3902.1082.50 0.10.2.3.11.2.1.101	

9 Alarms and Notifications

9.1 System Control Alarm and Notification

[MIB file]:

ZTE-AN-CHASSIS-MIB.mib

ZTE-AN-ENVMON-MIB.mib

ZTE-AN-DATA-BACKUP-MIB.mib

ZTE-AN-REMOTE-UNIT-SW-MIB.mib

9.1.1 System Cold Start Notification

TripOID	.1.3.6.1.6.3.1.1.5.1	Notification
Variable	None	

9.1.2 Active and Standby Switchover Notification

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.1.2	Notification
Variable	None	Card operating status

9.1.3 Active and Standby Data Synchronization Failure Notification

TripOID			Notification
Variable	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.5	zxAnCardOperStatus	Card operating status

9.1.4 Card Abnormal Operating Alarm

9.1.4.1 Alarm

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.2.1	Major Alarm

Variable	.1.3.6.1.2.1.2.2.1.1	ifIndex	ifIndex
	1.3.6.1.4.1.3902.1082.10.1.2.4.1.2	zxAnCardConfMainType	Configuration card type
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.3	zxAnCardActualMainType	Actual card type
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.4	zxAnCardActualType	Card name
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.6	zxAnCardAdminStatus	Card management status
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.5	zxAnCardOperStatus	Card operating status

Card operating status (. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.5) value:

1 inService

2 notInService

3.hwOnline

4 hwOffline

5 configuring

6 configFailed

7 MIB value Mismatch

8 deactived

9 faulty

10 invalid

11 noPower

9.1.4.2   Alarm Recovery

TripOI	. 1.3.6.1.4.1.3902.1082.10.1.3.2.2	Alarm

D			recovery
Variable	.1.3.6.1.2.1.2.2.1.1	ifIndex	ifIndex
	1.3.6.1.4.1.3902.1082.10.1.2.4.1.2	zxAnCardConfMainType	Configuration card type
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.3	zxAnCardActualMainType	Actual card type
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.4	zxAnCardActualType	Card name
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.6	zxAnCardAdminStatus	Card management status
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.5	zxAnCardOperStatus	Card operating status

9.1.5 Memory Overload Alarm

9.1.5.1 Alarm

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.2.22		Minor alarm
Variable	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.11	zxAnCardMemUsage	Memory usage percentage
	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.12	zxAnCardMemUsageThreshold	Memory usage threshold

9.1.5.2 Alarm Recovery

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.2.23		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.1.2.4.1.11	zxAnCardMemUsage	Memory usage percentage
	.	zxAnCardMemUsageThresh	Memory

	1.3.6.1.4.1.3902.1082.10.1.2.4.1.12	old		usage threshold

9.1.6 CPU Overload Alarm

9.1.6.1 Alarm

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.2.20		Minor alarm
Variable	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.9	zxAnCardCpuLoad	Current CPU utilizatio n rate
	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.10	zxAnCardCpuLoadThreshold	CPU utilizatio n rate threshol d

9.1.6.2 Alarm Recovery

TripOID	. 1.3.6.1.4.1.3902.1082.10.1.3.2.21		Alarm recovery
Variable	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.9	zxAnCardCpuLoad	Current CPU utilizatio n rate
	. 1.3.6.1.4.1.3902.1082.10.1.2.4.1.10	zxAnCardCpuLoadThreshold	CPU utilizatio n rate threshol d

9.1.7 Card Version Update Failure Alarm

9.1.7.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1015.2.2.2.10		Common alarm
Variable	.1.3.6.1.4.1.3902.1015.2.1.2.5.1.2	zxAnVerUpdateStatus	Version

			update status
	.1.3.6.1.4.1.3902.1015.2.1.2.5.1.3	zxAnVerUpdateReason	Version update reason

9.1.7.2　Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1015.2.2.2.11		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1015.2.1.2.5.1.2	zxAnVerUpdateStatus	Version update status
	.1.3.6.1.4.1.3902.1015.2.1.2.5.1.3	zxAnVerUpdateReason	Version update reason

9.1.8　Card Auto Update Alarm

TripOID	.1.3.6.1.4.1.3902.1082.20.30.3.1		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.20.30.3.1.1	zxAnSwAutoUpdateFinished	Auto update finished
	.1.3.6.1.4.1.3902.1082.20.30.3.1.2	zxAnSwAutoUpdateSwDiffer	Number of auto updated files
	.1.3.6.1.4.1.3902.1082.20.30.3.1.2	zxAnSwAutoUpdateSwChkFailed	Check failsure

9.1.9　Card Version Download Alarm

TripOID	.1.3.6.1.4.1.3902.1082.20.50.3.1		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.20.50.3.1.1	zxAnFileFtpDownloadFinished	Download finished
	.1.3.6.1.4.1.3902.1082.20.50.3.1.1	zxAnFileFtpUploadFinished	Download finished

9.1.10 Card Backup Alarm

TripOID	.1.3.6.1.4.1.3902.1082.20.45.3		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.20.45.3.1	zxAnDataBackupFinished	Backup finished

9.1.11 High Ambient Temperature Alarm

9.1.11.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.1		High ambient temperature alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.4	zxAnEnvTempHighAlmThreshold	

9.1.11.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.2		High ambient temperature alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.4	zxAnEnvTempHighAlmThreshold	

9.1.12 Sensor Abnormal Alarm

9.1.12.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.5	Common

			alarm
Variable	None		Actual alarm

9.1.13 Ambient Temperature Danger Alarm

9.1.13.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.6		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.5	zxAnEnvTempCriticalAlmThreshold	

9.1.13.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.7		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.5	zxAnEnvTempCriticalAlmThreshold	

9.1.14 Low Ambient Temperature Alarm

9.1.14.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.8		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5	zxAnEnvTempLowAlmThreshold	

	.1.6		

9.1.14.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.9		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.6	zxAnEnvTempLowAlmThreshold	

9.1.15 Card Offline Alarm

9.1.15.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.30		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.1.1.1	zxAnEnvCardShutdownReason	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.1.6.1.2	zxAnCardTemp	
	.1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	
	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.5	zxAnEnvPowerMode	

9.1.15.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.1.31		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.1.1.1.1	zxAnEnvCardShutdownReason	Operating status
	.	zxAnCardTemp	

1.3.6.1.4.1.3902.1082.10.10.2.1.6.1.2		
. 1.3.6.1.4.1.3902.1082.10.10.2.1.5.1.3	zxAnEnvTemp	
. 1.3.6.1.4.1.3902.1082.10.10.2.3.1.5	zxAnEnvPowerMode	

9.1.16 Environmental Monitoring Interface Down Alarm

9.1.16.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.2.1		Common alarm
Variable	None		Operating status

9.1.16.2 Alarm Recovery

9.1.16.3 Environmental Monitoring Interface Down Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.2.2		Alarm recovery
Variable	None		

9.1.17 Power Abnormal Alarm

9.1.17.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.1		Common alarm
Variable	None		Operating status

9.1.17.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.2		Alarm recovery

Variable	None		

9.1.18 Power Supply Overvoltage Alarm

9.1.18.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.3		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.2	zxAnPowerSupplyInVoltage	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.4	zxAnPowerInVoltageUpperThresh	

9.1.18.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.4		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.2	zxAnPowerSupplyInVoltage	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.4	zxAnPowerInVoltageUpperThresh	

9.1.19 Power Supply Undervoltage Alarm

9.1.19.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.5		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.2	zxAnPowerSupplyInVoltage	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.5	zxAnPowerInVoltageLowerThresh	

9.1.19.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.6		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.2	zxAnPowerSupplyInVoltage	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.11.1.5	zxAnPowerInVoltageLowerThresh	

9.1.20 Power Down Alarm

9.1.20.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.7		Common alarm
Variable	None		Operating status

9.1.20.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.8		Alarm recovery
Variable	None		

9.1.21 Power Supply Emergency Alarm

9.1.21.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.9		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.1	zxAnEnvEmergencyPowerSaveEnable	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.5	zxAnEnvPowerMode	

9.1.21.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.3.10		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.1	zxAnEnvEmergencyPowerSaveEnable	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.3.1.5	zxAnEnvPowerMode	

9.1.22 Fan Offline Alarm

9.1.22.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.1		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.4.11.1.6	zxAnEnvFanOnlineStatus	Operating status

9.1.22.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.2		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.4.11.1.6	zxAnEnvFanOnlineStatus	Operating status

9.1.23 Fan Card Offline Alarm

9.1.23.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.3		Common alarm
Variable	None		Operating status

9.1.23.2   Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.4		Alarm recovery
Variable	None		

9.1.24   Fan Abnormal Alarm

9.1.24.1   Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.5		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.4.11.1.5	zxAnEnvFanOperStatus	Operating status

9.1.24.2   Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.4.6		Alarm recovery
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.4.11.1.5	zxAnEnvFanOperStatus	

9.1.25   Environmetal Monitoring Device Abnormal Alarm

9.1.25.1   Alarm

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.5.1		Common alarm
Variable	.1.3.6.1.4.1.3902.1082.10.10.2.5.3.1.5	zxAnEnvDevMonSwitchCurrStatus	Operating status
	.1.3.6.1.4.1.3902.1082.10.10.2.5.3.1.3	zxAnEnvDevMonSwitchTrapEnable	

9.1.25.2   Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.10.10.3.5.2		Alarm recover

			y
Variable	. 1.3.6.1.4.1.3902.1082.10.10.2.5.3.1.5	zxAnEnvDevMonSwitchCurrStatus	Operating status
	. 1.3.6.1.4.1.3902.1082.10.10.2.5.3.1.3	zxAnEnvDevMonSwitchTrapEnable	

9.1.26 Version Update Alarm

9.1.26.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.20.40.3		
Variable	.1.3.6.1.4.1.3902.1082.20.40.3.1	zxAnRuSwUpdated	

9.2 Common Alarm and Notification

9.2.1 Uplink Interface Linkdown Alarm

[MIB file]:

IF-MIB.mib

9.2.1.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.30.20.3.2		Severe alarm
Variable	.1.3.6.1.2.1.2.2.1.7	ifAdminStatus	Management status
	.1.3.6.1.2.1.2.2.1.8	ifOperStatus	Operating status
	.1.3.6.1.2.1.2.2.1.3	ifMIB value	Interface type

9.2.1.2 Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.30.20.3.2		Alarm Recovery
Variable	.1.3.6.1.2.1.2.2.1.7	ifAdminStatus	Management status
	.1.3.6.1.2.1.2.2.1.8	ifOperStatus	Operating status
	.1.3.6.1.2.1.2.2.1.3	ifMIB value	Interface type

9.2.2 DoS Attack Alarm

[MIB file]:

ZTE-AN-SECURITY-CPUDEFEND-MIB.mib

9.2.2.1 Alarm

TripOID	.1.3.6.1.4.1.3902.1082.70.25.3.1.1	General Alarm

Variable	.1.3.6.1.2.1.2.2.1.1	ifIndex	IfIndex
	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	zxAnSubIfIndex	zxAnSubIfIndex
	.1.3.6.1.4.1.3902.1082.70.25.2.1.2.1.1	zxAnSecDosAttackSrcMac	Source MAC address
	.1.3.6.1.4.1.3902.1082.70.25.2.1.2.1.2	zxAnSecDosAttackVid	Port VLAN

9.2.2.2   Alarm Recovery

TripOID	.1.3.6.1.4.1.3902.1082.70.25.3.1.2		Alarm Recovery
Variable	.1.3.6.1.2.1.2.2.1.1	ifIndex	IfIndex
	.1.3.6.1.4.1.3902.1082.30.5.5.1.1.2	zxAnSubIfIndex	zxAnSubIfIndex
	.1.3.6.1.4.1.3902.1082.70.25.2.1.2.1.1	zxAnSecDosAttackSrcMac	Source MAC address
	.1.3.6.1.4.1.3902.1082.70.25.2.1.2.1.2	zxAnSecDosAttackVid	Port VLAN

9.2.3   User Interface LinkUp Notification

[MIB file]:

IF-MIB.mib

TripOID	.1.3.6.1.4.1.3902.1082.30.20.3.1		Notification
Variable	.1.3.6.1.2.1.2.2.1.7	ifAdminStatus	Management status
	.1.3.6.1.2.1.2.2.1.8	ifOperStatus	Operating status
	.1.3.6.1.2.1.2.2.1.3	ifType	Interface type

9.2.4   User Interface LinkDown Notification

[MIB file]:

IF-MIB.mib

TripOID	.1.3.6.1.4.1.3902.1082.30.20.3.2		Notification
Variable	.1.3.6.1.2.1.2.2.1.7	Management status	Management status
	.1.3.6.1.2.1.2.2.1.8	Operating status	Operating status
	.1.3.6.1.2.1.2.2.1.3	Interface type	Interface type

9.2.5   Serial Interface or Management Interface Login Notification

[MIB file]:

ZTE-AN-CLI-MIB.mib

TripOID	.1.3.6.1.4.1.3902.1082.20.10.3.1		Notification
Variable	.1.3.6.1.4.1.3902.1082.20.10.2.1.3	zxAnCliCrftTerminalLastLoginMIB value	Login type
	.1.3.6.1.4.1.3902.1082.20.10.2.3.3.1.3	zxAnCliActiveUserName	Login username
	.1.3.6.1.4.1.3902.1082.20.10.2.3.3.1.8	zxAnCliActiveUserLocation	Login location

9.2.6   Serial Interface or Management Interface Logout Notification

[MIB file]:

ZTE-AN-CLI-MIB.mib

TripOID	.1.3.6.1.4.1.3902.1082.20.10.3.2		Notification
Variable	.1.3.6.1.4.1.3902.1082.20.10.2.1.3	Login type	Logout type

	. 1.3.6.1.4.1.3902.1082.20.10.2.3.3.1.3	Login username	Logout username
	. 1.3.6.1.4.1.3902.1082.20.10.2.3.3.1.8	Login location	Logout location

9.3   PON Alarm and Notification

[MIB file]:

Please refer to the definitions in ZTE-AN-PON-BASE-MIB.mib.

MIB Variable	OID	Description
zxAnPonRxPowerHighAlm	.1.3.6.1.4.1.3902.1082.500.1.3.1.1	"Alarm for received power."
zxAnPonRxPowerHighClr	.1.3.6.1.4.1.3902.1082.500.1.3.1.2	"Restore of alarm for received power."
zxAnPonRxPowerLowAlm	.1.3.6.1.4.1.3902.1082.500.1.3.1.3	"Alarm for received power."
zxAnPonRxPowerLowClr	.1.3.6.1.4.1.3902.1082.500.1.3.1.4	"Restore of alarm for received power."

9.3.1 PON Public Alarm and Notification

[MIB file]:

Please refer to the definitions in ZTE-AN-PON-BASE-MIB.mib.

MIB Variable	OID	Description
zxAnPonRxPowerHighAlm	.1.3.6.1.4.1.3902.1082.500.1.3.1.1	"Alarm for received power."
zxAnPonRxPowerHighClr	.1.3.6.1.4.1.3902.1082.500.1.3.1.2	"Restore of alarm for received power."
zxAnPonRxPowerLowAlm	.1.3.6.1.4.1.3902.1082.500.1.3.1.3	"Alarm for received power."
zxAnPonRxPowerLowClr	.1.3.6.1.4.1.3902.1082.500.1.3.1.4	"Restore of alarm for received power."

9.3.2 GPON Alarm and Notification

[MIB file]:

Please refer to the definitions in ZTE-AN-GPON-SERVICE-MIB.mib.

MIB Variable	OID	Description
zxAnGponSrvOltLos iAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.1	
zxAnGponSrvOltLos iClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.2	
zxAnGponSrvOltLofi Alm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.3	
zxAnGponSrvOltLofi Clr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.4	
zxAnGponSrvOltDo wiAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.5	
zxAnGponSrvOltDo wiClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.6	
zxAnGponSrvOltSfi Alm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.7	
zxAnGponSrvOltSfi Clr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.8	
zxAnGponSrvOltSdi Alm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.9	
zxAnGponSrvOltSdi Clr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.10	
zxAnGponSrvOltLcd giAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.13	

MIB Variable	OID	Description
zxAnGponSrvOltLcd giClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.14	
zxAnGponSrvOltRdi iAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.15	
zxAnGponSrvOltRdi iClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.16	
zxAnGponSrvOltSuf iAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.17	
zxAnGponSrvOltSuf iClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.18	
zxAnGponSrvOltDfi Alm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.19	
zxAnGponSrvOltDfi Clr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.20	
zxAnGponSrvOltLo aiAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.21	
zxAnGponSrvOltLo aiClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.22	
zxAnGponSrvOltDgi Alm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.23	
zxAnGponSrvOltDgi Clr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.24	
zxAnGponSrvOltLo amiAlm	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.25	
zxAnGponSrvOltLo amiClr	. 1.3.6.1.4.1.3902.1082.5 00.10.3.1.26	

MIB Variable	OID	Description
zxAnGponSrvOltMemiAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.27	
zxAnGponSrvOltMemiClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.28	
zxAnGponSrvOltMisiAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.29	
zxAnGponSrvOltMisiClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.30	
zxAnGponSrvOltPeeiAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.31	
zxAnGponSrvOltPeeiClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.32	
zxAnGponSrvOltLosAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.61	
zxAnGponSrvOltLosClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.62	
zxAnGponSrvOltLofAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.63	
zxAnGponSrvOltLofClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.64	
zxAnGponSrvOnuRegister	.1.3.6.1.4.1.3902.1082.500.10.3.1.65	
zxAnGponSrvOnuUnregister	.1.3.6.1.4.1.3902.1082.500.10.3.1.66	
zxAnGponSrvOnuAuthPass	.1.3.6.1.4.1.3902.1082.500.10.3.1.67	

MIB Variable	OID	Description
zxAnGponSrvOnuAuthFailed	.1.3.6.1.4.1.3902.1082.500.10.3.1.68	
zxAnGponSrvLinkOnuDyingGaspAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.69	
zxAnGponSrvLinkOnuDyingGaspClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.70	
zxAnGponSrvOltFakedSN	.1.3.6.1.4.1.3902.1082.500.10.3.1.73	
zxAnGponSrvOnuConstantOpticalAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.74	
zxAnGponSrvOnuConstantOpticalClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.75	
zxAnGponSrvOnuRxFiberFlexAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.76	
zxAnGponSrvOnuRxFiberFlexClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.77	
zxAnGponSrvOnuUnauthOnuOnline	.1.3.6.1.4.1.3902.1082.500.10.3.1.80	
zxAnGponSrvOltTfAlm	.1.3.6.1.4.1.3902.1082.500.10.3.1.81	
zxAnGponSrvOltTfClr	.1.3.6.1.4.1.3902.1082.500.10.3.1.82	
zxAnGponSrvOltFakedPwd	.1.3.6.1.4.1.3902.1082.500.10.3.1.83	
zxAnGponSrvOnuAutoAuthSuccess	.1.3.6.1.4.1.3902.1082.500.10.3.1.84	

MIB Variable	OID	Description
zxAnGponSrvOltLoei	. 1.3.6.1.4.1.3902.1082.500.10.3.1.85	

9.3.3 GPON ONU Remote Alarm and Notification

[MIB file]:

Please refer to the definitions in ZTE-AN-GPON-REMOTE-ONU-MIB.mib.

MIB Variable	OID	Description
zxAnGponRmEthUniLanLosAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.1	
zxAnGponRmEthUniLanLosClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.2	
zxAnGponRmEthUniLoopIndicatAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.3	
zxAnGponRmEthUniLoopIndicatClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.4	
zxAnGponRmOnuEquipAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.73	
zxAnGponRmOnuEquipClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.74	
zxAnGponRmOnuPowerAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.75	
zxAnGponRmOnuPowerClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.76	
zxAnGponRmOnuBatteryMissingAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.77	
zxAnGponRmOnuBatteryMissingClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.78	
zxAnGponRmOnuBatteryFailAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.79	

MIB Variable	OID	Description
zxAnGponRmOnuBatteryFailClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.80	
zxAnGponRmOnuBatteryLowAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.81	
zxAnGponRmOnuBatteryLowClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.82	
zxAnGponRmOnuPhyIntrusionAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.83	
zxAnGponRmOnuPhyIntrusionClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.84	
zxAnGponRmOnuSelfTestFailAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.85	
zxAnGponRmOnuSelfTestFailClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.86	
zxAnGponRmOnuDyingGaspAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.87	
zxAnGponRmOnuDyingGaspClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.88	
zxAnGponRmOnuTempYellowAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.89	
zxAnGponRmOnuTempYellowClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.90	
zxAnGponRmOnuTempRedAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.91	
zxAnGponRmOnuTempRedClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.92	

MIB Variable	OID	Description
zxAnGponRmOnuVoltageYellowAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.93	
zxAnGponRmOnuVoltageYellowClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.94	
zxAnGponRmOnuVoltageRedAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.95	
zxAnGponRmOnuVoltageRedClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.96	
zxAnGponRmAniLowRxPowerAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.123	
zxAnGponRmAniLowRxPowerClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.124	
zxAnGponRmAniHighRxPowerAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.125	
zxAnGponRmAniHighRxPowerClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.126	
zxAnGponRmAniSfAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.127	
zxAnGponRmAniSfClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.128	
zxAnGponRmAniSdAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.129	
zxAnGponRmAniSdClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.130	
zxAnGponRmAniLowTransPowerAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.131	

MIB Variable	OID	Description
zxAnGponRmAniLowTransPowerClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.132	
zxAnGponRmAniHighTransPowerAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.133	
zxAnGponRmAniHighTransPowerClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.134	
zxAnGponRmAniLaserBiasCurrentAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.135	
zxAnGponRmAniLaserBiasCurrentClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.136	
zxAnGponRmOnuHighCpuUsageAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.169	
zxAnGponRmOnuHighCpuUsageClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.170	
zxAnGponRmOnuHighMemoryUsageAlm	.1.3.6.1.4.1.3902.1082.500.20.3.1.171	
zxAnGponRmOnuHighMemoryUsageClr	.1.3.6.1.4.1.3902.1082.500.20.3.1.172	

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