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**Abstract:** This document described the MIBs supported by 3COM devices.

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| Revision | Date | Author | Reason for Change |
| 0.01 | 16/07/2006 | 3COM Agent Team | First Draft |
| 0.02 | 12/12/2006 | Wanglei | Added RFC1382-MIB、RFC2515-MIB、RFC3273-MIB. |
| 0.03 | 15/05/2007 | Wanglei | 1. Modified the description of ifMauAutoNegCapabilityBits by liguanmin for D15713 ; 2. Modified the description of isdnDirectoryTabl, isdnEndpointTable, isdnSignalingStatsTable, and isdnSignalingTable by zhouxin for D15717 3. Modified the description of x25CallParmTable, x25ClearedCircuitEntriesRequested, x25ClearedCircuitEntriesGranted, and x25ClearedCircuitTable by zhouxin for D15717 4. Modified the description of RFC1381-MIB by zhouxin for D15718 5. Modified the description of isdnBasicRateIfType by huanglinbo 04360 for D16268 6. Modified the description of some objects in h3cAclLinkTable by fujiajia 02720 for D16267 7. Modified the “Entity physical index design” by taotao for D15701 8. Modified the description of atTable by lichuanen for D15719 9. Modified the description of hwDHCPSGlobalPoolLeaseUnlimited by zhangyifei for D15659 10. modified description of snmpEngineBoots by haobin for D16384 11. Modified the description of hw8060FrameAdminStatus and hw8060SlotOperStatus by wanglei 02870 for D17445 12. Added h3cNATStatActivePoolTblCount by lijian for D18754 13. added h3cNATSessionHashNumber by lijian for D19622 14. Added A3COM-HUAWEI-NQA-MIB,deleted A3COM-HUAWEI-PING-MIB 15. Support hwCBQoSAtmPvcApplyPolicyTable by haochunbo for D18251 16. Added h3cIfSpeedStatTable by wanglirong for RTOD00039 17. Added ADSL-TC-MIB by xugang for D21062 18. modify the descriptionof h3cFlhOperSourceFile, h3cFlhOperDestinationFile by zhangqingjun for F03415 19. Deleted hwWriteSuccessTrap and hwWriteFailureTrap from traps list supported by router by wanglei. 20. Deleted coldStart, warmStart, authenticationFailure from SnmpMIB Table by wanglei. |
| 0.04 | 01/08/2007 | Wanglei | 1. modify the description of eventCommunity by zhaofeng for LSD16507; 2. Modified the description of h3cNqaCtlStatisticsInterval, hwNqaJitterStatsPacketLossSD, hwNqaJitterStatsPacketLossDS, hwNqaJitterStatsPktLossUnknown, hwNqaCtlJitterAdminInterval by zhouhaifeng for RTOD01440; 3. Modified the description of h3cNATDnsMapProtocolType by tangjiafeng for RTD01650 |
| 0.05 | 28/11/2007 | Guoshujuan | 1. Modify by guoshujuan for RTOD03400：   add tables into A3COM-HUAWEI-CBQOS-MIB：  hwCBQoSLrCfgInfoTable  hwCBQoSNestPolicyCfgInfoTable  hwCBQoSIfLrRunInfoTable  hwCBQoSAtmPvcLrRunInfoTable  hwCBQoSFrPvcLrRunInfoTable  add description of hwCBQoSPolicyClassIndex in hwCBQoSApplyPolicyStaticsObjects |

# 

# Introduction

In the tables describing the MIB objects to be supported, the columns means:

**Name** - MIB object name

**Access** - access as defined in MIB

**PDS** - whether value is stored in persistent configuration

**Description** - general comments

# Statement

Whether the MIB listed on the document is supported or not depended on the description of it. If the description of the MIB node is 'not supported', it means the node is not supported by the product even the value of it can be got, the value will be ignored unless it makes problem.

If the description of the node is 'As per MIB', it means the implement of the node is the same as the description of the MIB file.

If the node has other description, it means the implement of it is different from the MIB file and the actual implement lies on the document. The MIB not listed in this document will be not supported totally, although the value of the node can be got or set.

The meaning of the item "access" in the document is identical with the "MAX-ACCESS" in the MIB file. For example: if the "MAX-ACCESS" of a node in the MIB file is "read-write", then the item "access" in the MIB Companion will be "read-write" , but if the node only support "read" in the product, then detailed information will be acquired in the item "description" of this node in this document.

# MIB Support & RFC Compliance

3COM will conform to the IETF RFCs/ IEEE standards and Huawei-3Com private standards as described below.

Table : 3COM Support IETF RFCs/IEEE standards

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Description | Version | Notes |
| RFC1155-SMI | rfc1155.smi | 1.0 | Fully supported |
| RFC1158-MIB | rfc1158.mib | 1.0 | Fully supported |
| RFC-1212 | rfc1212.smi | 1.0 | Fully supported |
| RFC1213 | MIB II | 1.0 | System and IP groups are supported.  The following are partially supported:  ifAdminStatus :read-only supported  atTable: read-only supported  ipRouteTable:read-only supported  ipNetToMediaTable:read-only supported  tcpConnState :read-only supported  EGP group: not supported. |
| RFC1315-FR MIB | Fr mib | 1.0 | Not supported frErr Table  Other tables only support read access |
| RFC1381-MIB | LAPB mib | 1.0 | Partially supported |
| RFC1382-MIB | X.25 mib | 1.0 | Partially supported |
| RFC1450-SNMPv2-MIB | SNMP version2 mib | 1.0 | Fully supported |
| RFC1471-PPP-LCP MIB | PPP LCP mib | 1.0 | Fully supported |
| RFC1473-PPP-NCP MIB | PPP NCP mib | 1.0 | Fully supported |
| RFC1573a-IANAifType MIB | IANAifType-MIB | 1.0 | Fully supported |
| RFC1657-BGP4 MIB | BGP mib | 1.0 | Now only support read operation |
| RFC1724 | RIPv2-MIB | 1.0 | Not supported read-create |
| RFC1850 | OSPF-MIB | 1.0 | Support ospfBasicGroup, ospfAreaGroup, ospfStubAreaGroup, ospfLsdbGroup, ospfAreaRangeGroup, ospfIfGroup, ospfIfMetricGroup, ospfVirtIfGroup, ospfNbrGroup, ospfVirtNbrGroup, ospfExtLsdbGroup, ospfAreaAggregateGroup |
| RFC2011 | IP-MIB | 1.0 | Fully supported |
| RFC2012 | UDP-MIB | 1.0 | Fully supported |
| RFC2013 | TCP-MIB | 1.0 | Fully supported |
| RFC2096-IP-FORWARD-MIB | IP-FORWARD-MIB | 1.0 | Partially supported |
| RFC2127-ISDN-MIB | ISDN-MIB | 1.0 | Partially supported |
| RFC2233 | IF-MIB | 1.0 | Support ifGeneralGroup, ifFixedLengthGroup, ifHCFixedLengthGroup, ifPacketGroup, ifHCPacketGroup, ifVHCPacketGroup, ifRcvAddressGroup |
| RFC2273 | SNMP-NOTIFICATION-MIB | 1.0 | Support snmpNotifyGroup |
| RFC2515 | ATM-MIB | 1.0 | Partially supported |
| RFC2571 | SNMP-FRAMEWORK-MIB | 1.0 | Fully supported. |
| RFC2572 | SNMP-MPD-MIB | 1.0 | Fully supported. |
| RFC2573 | SNMP-TARGET-MIB | 1.0 | Fully supported. |
| RFC2574 | SNMP-USER-BASED-SM-MIB | 1.0 | not support usmStatsWrongDigests, usmStatsDecryptionErrors, (means not support usmMIBBasicGroup)  Not supported read-create |
| RFC2575 | SNMP-VIEW-BASED-ACM-MIB | 1.0 | Support vacmBasicGroup  Only support read-only |
| RFC2578 | SNMPv2-SMI | 1.0 | Fully supported |
| RFC2579 | SNMPv2-TC | 1.0 | Fully supported |
| RFC2580 | SNMPv2-CONF | 1.0 | Fully supported |
| RFC2618-RADIUS-AUTH-CLIENT-MIB | RADIUS-AUTH-CLIENT-MIB | 1.0 | Fully supported. |
| RFC2620-RADIUS-ACC-CLIENT-MIB | RADIUS-ACC-CLIENT-MIB | 1.0 | Fully supported. |
| RFC2665 | EtherLike-mib | 1.0 | Only support dot3StatsTable |
| RFC2668 | MAU MIB | 1.0 | Support mauIfGrp100Mbs, |
| RFC2737 | ENTITY-MIB | 1.0 | Only entityPhysicalTable and entAliasMappingTable are supported at present. |
| RFC2787-VRRP- MIB | VRRP mib | 1.0 | Fully supported. |
| RFC2819-RMON MIB | RMON mib | 1.0 | Fully supported |
| RFC2856-HCNUM-TC | HCNUM-TC | 1.0 | Fully supported |
| RFC2925-DISMAN-PING-MIB | DISMAN PING mib | 1.0 | Fully supported |
| RFC3273 | HC-RMON-MIB | 1.0 | Partially supported |
| RFC3291-INET-ADDRESS-MIB | INET-ADDRESS-MIB | 1.0 | Fully supported |
| Isis.mib | ISIS mib | 1.1 | Partially supported |
| iana-ana-address-family-numbers.mib | IANA mib | 1.0 | Fully supported |
| ADSL-TC-MIB | rfc2662-adsl-line.mib | 1.0 |  |
| PerfHist-TC-MIB | rfc3593-perfhist-tc.mib | 1.0 |  |
| ADSL-LINE-MIB | rfc2662-adsl-line.mib | 1.0 | partial |

Table 2: 3COM Support Private MIBs

|  |  |  |  |
| --- | --- | --- | --- |
| Reference | Description | Version | Notes |
| a3com-huawei-aal5.mib | AAL5 information mib | 1.0 | Fully supported |
| a3com-huawei-acl.mib | Acl mib | 2.4 | Partially supported |
| a3com-huawei-cbqos.mib | CBQoS mib | 1.4 | Partially supported |
| a3com-huawei-common.mib | This file describes the implementation of router system, include:memory,configuration,flash,loghost and so on. | 2.0 | Partially supported |
| a3com-huawei-config-man-.mib | Configuration management mib | 1.6 | Fully supported |
| a3com-huawei-dhcpr.mib | Dhcp relay mib | 1.0 | Fully supported |
| a3com-huawei-dhcps.mib | Dhcp server mib | 1.3 | Fully supported |
| a3com-huawei-e1.mib | E1 interface information mib | 1.0 | Fully supported |
| a3com-huawei-entity-ext.mib | Entity extend mib | 1.3 | Partially supported |
| a3com-huawei-entity-vendortype-oid.mib | Entity mib | 3.6 | Partially supported |
| a3com-huawei-flash.mib | The flash management mib | 2.1 | Fully supported |
| a3com-huawei-fr-qos.mib | FRQoS mib | 1.1 | Fully supported |
| a3com-huawei-if-ext.mib | Interface extension mib | 1.0 | Fully supported |
| a3com-huawei-ike-monitor.mib | IKE tunnels' statistic information mib | 1.2 | Fully supported |
| a3com-huawei-ipsec-monitor.mib | IPSec tunnels' statistic information mib | 1.1 | Partially supported |
| a3com-huawei-isdn.mib | ISDN mib | 1.2 | Partially supported |
| a3com-huawei-mlsr-system.mib | Mlsr mib | 1.4 | Partially supported |
| a3com-huawei-mpls-ldp.mib | Ldp mib | 1.6 | Partially supported |
| a3com-huawei-mpls-lsr.mib | Lsr mib | 1.0 | Partially supported |
| a3com-huawei-mpls-vpn.mib | Bgp vpn mib | 1.0 | Partially supported |
| a3com-huawei-nat.mib | Nat information mib | 1.1 | Partially supported |
| a3com-huawei-ndec-mib | Ndec 1 mib | 1.5 | Fully supported |
| a3com-huawei-ntp.mib | NTP mib | 1.1 | Partially supported |
| a3com-huawei-object-info.mib | Object Information query mib | 1.0 | Partially supported |
| a3com-huawei-oid.mib | 3Com Oid mib | 1.38 | Fully supported |
| a3com-huawei-prot-priority.mib | Protocol priority mib | 1.0 | Partially supported |
| a3com-huawei-qos.mib | QoS mib | 2.0 | Fully supported |
| a3com-huawei-radius.mib | Radius mib | 1.4 | Partially supported |
| a3com-huawei-sna-dlsw.mib | Dlsw mib | 1.2 | Partially supported |
| a3com-huawei-srm.mib | Srm mib | 1.9 | Fully supported |
| a3com-huawei-sys-man.mib | System management mib | 1.8 | Fully supported |
| a3com-huawei-t1.mib | T1 interface information mib | 1.0 | Fully supported |
| a3com-huawei-trng.mib | Timerange mib | 1.3 | Fully supported |
| a3com-huawei-ui-man.mib | User-interfaces management mib | 1.3 | Partially supported |
| a3com-huawei-user.mib | Manage configuration and Monitor running state for userlog feature mib | 2.0 | Partially supported |
| a3com-huawei-userlog.mib | User log mib | 1.1 | Fully supported |
| a3com-huawei-vrrp-ext.mib | VRRP mib | 1.0 | Fully supported |
| a3com-huawei-cfcard.mib | CF Card MIB | 1.0 | Fully supported |
| A3com-huawei-nqa.mib | NQA MIB,it has replaced a3com-huawei-ping-mib | 1.0 | Fully supported |

# SNMP Protocol MIBs

## SnmpMIB { snmpModules.1 }

This MIB is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTrapOID | accessible-for-notify | No | As per mib |
| snmpTrapEnterprise | accessible-for-notify | No | As per mib |
| snmpSetSerialNo | read-write | No | As per mib |

## snmpFrameworkMIB { snmpModules.10 }

This MIB is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpEngineID | read-only | Yes | As per mib |
| snmpEngineBoots | read-only | Yes | The boots time of device. If the flash had been formated, the value will start from 1 again. |
| snmpEngineTime | read-only | No | As per mib |
| snmpEngineMaxMessageSize | read-only | Yes | As per mib |

### the allocation of snmpEngineID

The snmpEngineID has a length of 11 octets:

The first four octets are set to the binary equivalent of the agent's SNMP management private enterprise number as assigned by the Internet Assigned Numbers Authority (IANA), and The very first bit is set to 1. For example, if Huawei Networks has been assigned nterprises 2011 , the first four octets would be assigned '800007DB'H.

The remaining eight octets are random octets.

## snmpMPDMIB { snmpModules.11 }

This MIB is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpUnknownSecurityModels | read-only | No | As per mib |
| snmpInvalidMsgs | read-only | No | As per mib |
| snmpUnknownPDUHandlers | read-only | No | As per mib |

## snmpTargetMIB { snmpModules.12 }

snmpTargetAddrTable and snmpTargetParamsTable combined are used to create a valid target host row in device.

This entry can be displayed as "snmp-agent target-host trap address udp-domain …" There are some rules need conformed with.

For a valid target host entry which is made up of one entry in snmpTargetAddrTable and another entry in snmpTargetParamsTable,

1) The value of snmpTargetAddrName is the same as the value of snmpTargetAddrParams.

2) The value of snmpTargetAddrParams is the same as the value of snmpTargetParamsName.

3) The value format of snmpTargetAddrName is something like "traphost." + snmpTargetParamsSecurityName + IpAddress.

The IpAddress is the ip address part of snmpTargetAddrTAddress.

If IpAddress not equal to the four frontal octets of snmpTargetAddrTAddress,it will return error.

4) The value of snmpTargetAddrTagList must be octect string "TrapeHost".

5) The value of snmpTargetAddrTDomain must be snmpUDPDomain.

6) The value of snmpTargetAddrStorageType should be nonVolatile.

7) The length of snmpTargetParamsSecurityName in snmpTargetAddrParams restricted in 1 to 32 octets.

For example

\*\*\*\*\* SNMP QUERY STARTED \*\*\*\*\*

1:snmpTargetSpinLock.0 (integer) 13736

2:snmpTargetAddrTDomain.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (object identifier) snmpUDPDomain

3:snmpTargetAddrTAddress.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) A9.FE.4C.4C.00.A2 (hex)

4:snmpTargetAddrTimeout.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 1500

5:snmpTargetAddrRetryCount.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 3

6:snmpTargetAddrTagList.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) TrapeHost [54.72.61.70.65.48.6F.73.74 (hex)]

7:snmpTargetAddrParams.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54(octet string)traphost.gl.169.254.76.76 [74.72.61.70.68.6F.73.74.2E.67.6C.2E.31.36.39.2E.32.35.34.2E.37.36.2E.37.36 (hex)]

8:snmpTargetAddrStorageType.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) nonVolatile(3)

9:snmpTargetAddrRowStatus.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) active(1)

10:snmpTargetParamsMPModel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 0

11:snmpTargetParamsSecurityModel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) 1

12:snmpTargetParamsSecurityName.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (octet string) gl [67.6C (hex)]

13:snmpTargetParamsSecurityLevel.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) noAuthNoPriv(1)

14:snmpTargetParamsStorageType.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) nonVolatile(3)

15:snmpTargetParamsRowStatus.116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54 (integer) active(1)

16:snmpUnavailableContexts.0 (counter) 0

17:snmpUnknownContexts.0 (counter) 0

\*\*\*\*\* SNMP QUERY FINISHED \*\*\*\*\*

Above is a retrieve for SNMP TARGET entry.

Here the index of this entry is 116.114.97.112.104.111.115.116.46.103.108.46.49.54.57.46.50.53.52.46.55.54.46.55.54, which is the hex code of string "traphost.gl.169.254.76.76"

The first part, 116.114.97.112.104.111.115.116.46, is hex code of "traphost." string.

The second part, 103.108.46, is ascii code of "gl.".

The last part, 46.49.54.57.46.50.53.52.46.55.54.46.55.54, is hex code of "169.254.76.76".

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetSpinLock | read-write | No | As per mib |
| snmpUnavailableContexts | read-only | No | As per mib |
| snmpUnknownContexts | read-only | No | As per mib |

### snmpTargetAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetAddrName | NA | No | As per mib |
| snmpTargetAddrTDomain | read-create | Yes | As per mib |
| snmpTargetAddrTAddress | read-create | Yes | As per mib |
| snmpTargetAddrTimeout | read-create | No | As per mib |
| snmpTargetAddrRetryCount | read-create | No | As per mib |
| snmpTargetAddrTagList | read-create | Yes | As per mib  The string "TrapeHost" must be set when setting snmp trap destination |
| snmpTargetAddrParams | read-create | Yes | As per mib |
| snmpTargetAddrStorageType | read-create | Yes | As per mib |
| snmpTargetAddrRowStatus | read-create | Yes | As per mib |

### snmpTargetParamsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpTargetParamsName | NA | Yes | As per mib |
| snmpTargetParamsMPModel | read-create | Yes | As per mib |
| snmpTargetParamsSecurityModel | read-create | Yes | As per mib |
| snmpTargetParamsSecurityName | read-create | Yes | As per mib |
| snmpTargetParamsSecurityLevel | read-create | Yes | As per mib |
| snmpTargetParamsStorageType | read-create | Yes | As per mib |
| snmpTargetParamsRowStatus | read-create | Yes | As per mib |

## snmpNotificationMIB { snmpModules.13 }

This MIB is partially supported: snmpNotifyTable.

### snmpNotifyTable { snmpNotificationMIB.1 }

This table has only one instance.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpNotifyName | Not-accessible | No | As per mib |
| snmpNotifyTag | read-create | Yes | Now only support read operation |
| snmpNotifyType | read-create | Yes | Now only support read operation |
| snmpNotifyStorageType | read-create | Yes | Now only support read operation |
| snmpNotifyRowStatus | read-create | Yes | Now only support read operation |

## snmpUsmMIB { snmpModules.15 }

### usmStats group { snmpUsmMIB.1 }

This group is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmStatsUnsupportedSecLevels | read-only | No | As per mib |
| usmStatsNotInTimeWindows | read-only | No | As per mib |
| usmStatsUnknownUserNames | read-only | No | As per mib |
| usmStatsUnknownEngineIDs | read-only | No | As per mib |

### usmUser group { snmpUsmMIB.2 }

#### Scalar objects { usmUser.1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmUserSpinLock | read-write | No | As per mib |

#### usmUserTable { usmUser.2 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| usmUserEngineID | NA | No | As per mib |
| usmUserName | NA | Yes | As per mib |
| usmUserSecurityName | read-create | Yes | As per mib |
| usmUserCloneFrom | read-create | No | Now only support read operation |
| usmUserAuthProtocol | read-create | Yes | Now only support read operation |
| usmUserAuthKeyChange | read-create | No | Now only support read operation |
| usmUserOwnAuthKeyChange | read-create | No | Now only support read operation |
| usmUserPrivProtocol | read-create | Yes | Now only support read operation |
| usmUserPrivKeyChange | read-create | No | Now only support read operation |
| usmUserOwnPrivKeyChange | read-create | No | Now only support read operation |
| usmUserPublic | read-create | No | Now only support read operation |
| usmUserStorageType | read-create | No | Now only support read operation |
| usmUserStatus | read-create | Yes | Now only support read operation |

## snmpVacmMIB { snmpModules.16 }

### vacmMIBObjects

#### vacmContextTable { vacmMIBObjects.1 }

This table is fully supported.

This object has only one instance of “-”

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmContextName | read-only | Yes | As per mib |

#### vacmSecurityToGroupTable { vacmMIBObjects.2 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmSecurityModel | not-accessible | No | As per mib |
| vacmSecurityName | not-accessible | No | As per mib |
| vacmGroupName | read-create | No | Only support read-only |
| vacmSecurityToGroupStorageType | read-create | No | Only support read-only |
| vacmSecurityToGroupStatus | read-create | No | Only support read-only |

#### vacmAccessTable { vacmMIBObjects.4 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmAccessContextPrefix | not-accessible | No | As per mib |
| vacmAccessSecurityModel | not-accessible | No | As per mib |
| vacmAccessSecurityLevel | not-accessible | No | As per mib |
| vacmAccessContextMatch | read-create | Yes | Only support read-only |
| vacmAccessReadViewName | read-create | Yes | Only support read-only |
| vacmAccessWriteViewName | read-create | Yes | Only support read-only |
| vacmAccessNotifyViewName | read-create | Yes | Only support read-only |
| vacmAccessStorageType | read-create | No | Only support read-only |
| vacmAccessStatus | read-create | Yes | Only support read-only |

### vacmMIBViews

#### Scalar { vacmMIBViews.1 }

This group is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmViewSpinLock | read-write | No | As per mib |

#### vacmViewTreeFamilyTable { vacmMIBViews.2 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vacmViewTreeFamilyViewName | not-accessible | No | As per mib |
| vacmViewTreeFamilySubtree | not-accessible | No | As per mib |
| vacmViewTreeFamilyMask | read-create | No | Only support read-only |
| vacmViewTreeFamilyType | read-create | No | Only support read-only |
| vacmViewTreeFamilyStorageType | read-create | No | Only support read-only |
| vacmViewTreeFamilyStatus | read-create | No | Only support read-only |

# RFC1158-MIB

As per mib

# RFC1213-MIB-II

Only the groups mentioned below are supported. All other MIB-II groups are not supported (udp, tcp, snmp).

## System Group { mib-2.1 }

This group is fully supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| SysDescr | read-only | No | 3Com Router xxxx Software V2.10 (build nnn)"  "3Com Router xxxx Software Extended\_V2.10 (build nnn)"  where xxx is the router number (5012 etc) and nnn is the JVCo build number which is updated for each code drop. |
| SysObjectID | read-only | No | 1.3.6.1.4.1.43.1.16.4.2.XX  Here XX is:  1 for 5009  2 for 5231  3 for 5640  4 for 5680  11 for 6040  12 for 6080  21 for 5012  22 for 5232  23 for 5642  24 for 5682  25 for 6040 with RPU2  26 for 6080 with RPU2 |
| SysUpTime | read-only | No | As per mib |
| SysContact | read-write | Yes | Set to “3Com Corporation” |
| SysName | read-write | Yes | The set operation now only supports 1-30 characters. |
| SysLocation | read-write | Yes | Set to “Marlborough, MA 01752 USA” string |
| SysServices | read-only | No | 78 (indicates that can provide the following sevices:  datalink/subnetwork (e.g., bridges)  internet (e.g., IP gateways)  end-to-end (e.g., IP hosts)  applications (e.g., mail relays)  ) |

## Interfaces Group { mib-2.2 }

The Interfaces group implemented is as modified by RFC2233.

The ifNumber value will display the a`ctual number of entries in the ifTable.

The behaviour of the ifTable entries and the above additional fields is dependant on the type of interface - not all of them apply to all types of interface. See the detailed descriptions below for full details.

### ifTable mib

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifIndex | read-only | No | interface index,  ifindex starts at 128 instead of 1 in routers. This is because hot-swap is supported by routers. For example, if the ifindex begin with 1 and increase one by one, now there is one six-port card on the router, so the ifindex of this card should be from 1 to 6, and the ifindex of other cards will begin from 7. Now, if this six-port card is replaced by a 8-port card at the same slot, there is No way to allocate the ifindex of these eight ports? |
| ifDescr | read-only | No | A textual string containing information about the Interface . Here it is interface name, such as Aux0/0/0, null0, Vlan-interface2, ethernet1/0/1 |
| ifType | read-only | No | interface type. Value list:  5000 support: |
| ifMtu | read-only | No | The size of the largest datagram which can be sent/received by interface in octets. |
| ifSpeed | read-only | No | An estimate of the interface's current bandwidth in bits per second. |
| ifPhysAddress | read-only | No | MAC address |
| ifAdminStatus | read- write | No | enable or disable an interface |
| ifOperStatus | read-only | No | The current operational state(link status) of the interface. |
| ifLastChange | read-only | No | The value of sysUpTime at the time the interface entered its current operational state. If the current state was entered prior to the last re-initialization of the local network management subsystem, then this object contains a zero value. |
| ifInOctets | read-only | No | As per mib |
| ifInUcastPkts | read-only | No | As per mib |
| ifInNUcastPkts | read-only | No | As per mib |
| ifInDiscards | read-only | No | As per mib |
| ifInErrors | read-only | No | As per mib |
| ifInUnknownProtos | read-only | No | As per mib |
| ifOutOctets | read-only | No | As per mib |
| ifOutUcastPkts | read-only | No | As per mib |
| ifOutNUcastPkts | read-only | No | As per mib |
| ifOutDiscards | read-only | No | As per mib |
| ifOutErrors | read-only | No | As per mib |
| ifOutQLen | read-only | No | As per mib |
| ifSpecific | read-only | No | Not supported. |

## Address Translation Group(at) { mib-2.3 }

This group is fully supported.

### atTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atIfIndex | read-write | Yes | Only support read operation. As to the static arp entry, the value of this object of is always 0. |
| atPhysAddress | read-write | Yes | Write operation is only used to creat a static arp entry.  Not support modifing an existing arp entry. |
| atNetAddress | read-write | Yes | Write operation is only used to creat a static arp entry.  Not support modifing an existing arp entry. |

## IP Group { mib-2.4 }

The following objects will be supported:

### Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipForwarding | read-write | No | As per mib |
| ipDefaultTTL | read-write | No | The number may be set from 1 to 255. |
| ipInReceives | read-only | No | As per mib |
| ipInHdrErrors | read-only | No | As per mib |
| ipInAddrErrors | read-only | No | As per mib |
| ipForwDatagrams | read-only | No | As per mib |
| ipInUnknownProtos | read-only | No | As per mib |
| ipInDiscards | read-only | No | As per mib |
| ipInDelivers | read-only | No | As per mib |
| ipOutRequests | read-only | No | As per mib |
| ipOutDiscards | read-only | No | As per mib |
| ipOutNoRoutes | read-only | No | As per mib |
| ipReasmTimeout | read-only | No | As per mib |
| ipReasmReqds | read-only | No | As per mib |
| ipReasmOKs | read-only | No | As per mib |
| ipReasmFails | read-only | No | As per mib |
| ipFragOKs | read-only | No | As per mib |
| ipFragFails | read-only | No | As per mib |
| ipFragCreates | read-only | No | As per mib |
| ipRoutingDiscards | read-only | No | In our system ,the value of this node is same as ipOutNoRoutes |

### ipAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipAdEntAddr | read-only | No | As per mib |
| ipAdEntIfIndex | read-only | No | As per mib |
| ipAdEntNetMask | read-only | No | As per mib |
| ipAdEntBcastAddr | read-only | No | As per mib |
| ipAdEntReasmMaxSize | read-only | No | As per mib |

### ipRouteTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipRouteDest | read-write | No | Not writable |
| ipRouteIfIndex | read-write | No | Not writable |
| ipRouteMetric1 | read-write | No | Not writable |
| ipRouteMetric2 | read-write | No | Not writable |
| ipRouteMetric3 | read-write | No | Not writable |
| ipRouteMetric4 | read-write | No | Not writable |
| ipRouteNextHop | read-write | No | Not writable |
| ipRouteType | read-write | No | Not writable |
| ipRouteProto | read-only | No | As per mib |
| ipRouteAge | read-write | No | Not writable |
| ipRouteMask | read-write | No | Not writable |
| ipRouteMetric5 | read-write | No | Not writable |
| ipRouteInfo | read-only | No | As per mib |

### ipNetToMediaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipNetToMediaIfIndex | read-only | No | As per mib |
| ipNetToMediaPhysAddress | read-only | No | As per mib |
| ipNetToMediaNetAddress | read-only | No | As per mib |
| ipNetToMediaType | read-only | No | As per mib |
| ipRouteInfo | read-only | No | As per mib |

## ICMP Group { mib-2.6 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| icmpInMsgs | read-only | No | As per mib |
| icmpInErrors | read-only | No | As per mib |
| icmpInDestUnreachs | read-only | No | As per mib |
| icmpInTimeExcds | read-only | No | As per mib |
| icmpInParmProbs | read-only | No | As per mib |
| icmpInSrcQuenchs | read-only | No | As per mib |
| icmpInRedirects | read-only | No | As per mib |
| icmpInEchos | read-only | No | As per mib |
| icmpInEchoReps | read-only | No | As per mib |
| icmpInTimestamps | read-only | No | As per mib |
| icmpInTimestampReps | read-only | No | As per mib |
| icmpInAddrMasks | read-only | No | As per mib |
| icmpInAddrMaskReps | read-only | No | As per mib |
| icmpOutMsgs | read-only | No | As per mib |
| icmpOutErrors | read-only | No | As per mib |
| icmpOutDestUnreachs | read-only | No | As per mib |
| icmpOutTimeExcds | read-only | No | As per mib |
| icmpOutParmProbs | read-only | No | As per mib |
| icmpOutSrcQuenchs | read-only | No | As per mib |
| icmpOutRedirects | read-only | No | As per mib |
| icmpOutEchos | read-only | No | As per mib |
| icmpOutEchoReps | read-only | No | As per mib |
| icmpOutTimestamps | read-only | No | As per mib |
| icmpOutTimestampReps | read-only | No | As per mib |
| icmpOutAddrMasks | read-only | No | As per mib |
| icmpOutAddrMaskReps | read-only | No | As per mib |

## TCP Group { mib-2.6 }

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpRtoAlgorithm | read-only | No | As per mib |
| tcpRtoMin | read-only | No | As per mib |
| tcpRtoMax | read-only | No | As per mib |
| tcpMaxConn | read-only | No | As per mib |
| tcpActiveOpens | read-only | No | As per mib |
| tcpPassiveOpens | read-only | No | As per mib |
| tcpAttemptFails | read-only | No | As per mib |
| tcpEstabResets | read-only | No | As per mib |
| tcpCurrEstab | read-only | No | As per mib |
| tcpInSegs | read-only | No | As per mib |
| tcpOutSegs | read-only | No | As per mib |
| tcpRetransSegs | read-only | No | As per mib |
| tcpInErrs | read-only | No | As per mib |
| tcpOutRsts | read-only | No | As per mib |

### tcpConnTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| tcpConnState | read-write | No | Not writable |
| tcpConnLocalAddress | read-only | No | As per mib |
| tcpConnLocalPort | read-only | No | As per mib |
| tcpConnRemAddress | read-only | No | As per mib |
| tcpConnRemPort | read-only | No | As per mib |

## UDP Group { mib-2.7 }

### Scalar objects

A statistics collection for UDP group.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpInDatagrams | read- only | No | As per mib |
| udpNoPorts | read-only | No | As per mib |
| udpInErrors | read-only | No | As per mib |
| udpOutDatagrams | read-only | No | As per mib |

### udpTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| udpLocalAddress | read- only | No | As per mib |
| udpLocalPort | read-only | No | As per mib |

## snmp Group { mib-2.11 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| snmpInPkts | read-only | No | As per mib |
| snmpOutPkts | read-only | No | As per mib |
| snmpInBadVersions | read-only | No | As per mib |
| snmpInBadCommunityNames | read-only | No | As per mib |
| snmpInBadCommunityUses | read-only | No | As per mib |
| snmpInASNParseErrs | read-only | No | As per mib |
| snmpInTooBigs | read-only | No | As per mib |
| snmpInNoSuchNames | read-only | No | As per mib |
| snmpInBadValues | read-only | No | As per mib |
| snmpInReadOnlys | read-only | No | As per mib |
| snmpInGenErrs | read-only | No | As per mib |
| snmpInTotalReqVars | read-only | No | As per mib |
| snmpInTotalSetVars | read-only | No | As per mib |
| snmpInGetRequests | read-only | No | As per mib |
| snmpInGetNexts | read-only | No | As per mib |
| snmpInSetRequests | read-only | No | As per mib |
| snmpInGetResponses | read-only | No | Not supported |
| snmpInTraps | read-only | No | Not supported |
| snmpOutTooBigs | read-only | No | If the size of the resultant message is bigger than a local constraint, the snmpOutTooBigs counter is incremented. |
| snmpOutNoSuchNames | read-only | No | As per mib |
| snmpOutBadValues | read-only | No | As per mib |
| snmpOutGenErrs | read-only | No | As per mib |
| snmpOutGetRequests | read-only | No | As per mib |
| snmpOutGetNexts | read-only | No | As per mib |
| snmpOutSetRequests | read-only | No | As per mib |
| snmpOutGetResponses | read-only | No | As per mib |
| snmpOutTraps | read-only | No | As per mib |
| snmpEnableAuthenTraps | read-write | Yes | As per mib |

# RFC1315-FR MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| frTrapState | read-write | No | Now only support read operation. |

## frDlcmi Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| frDlcmiIfIndex | read-only | No | As per mib. |
| frDlcmiState | read-write | No | Now only support read operation. |
| frDlcmiAddress | read-write | No | Now only support read operation. |
| frDlcmiAddressLen | read-write | No | Now only support read operation. |
| frDlcmiPollingInterval | read-write | No | Now only support read operation. |
| frDlcmiFullEnquiryInterval | read-write | No | Now only support read operation. |
| frDlcmiErrorThreshold | read-write | No | Now only support read operation. |
| frDlcmiMonitoredEvents | read-write | No | Now only support read operation. |
| frDlcmiMaxSupportedVCs | read-write | No | Now only support read operation. |
| frDlcmiMulticast | read-write | No | Now only support read operation. |

## frCircuit Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| frCircuitIfIndex | read-only | No | As per mib. |
| frCircuitDlci | read-only | No | As per mib. |
| frCircuitState | read-write | No | Now only support read operation. |
| frCircuitReceivedFECNs | read-only | No | As per mib. |
| frCircuitReceivedBECNs | read-only | No | As per mib. |
| frCircuitSentFrames | read-only | No | As per mib. |
| frCircuitSentOctets | read-only | No | As per mib. |
| frCircuitReceivedFrames | read-only | No | As per mib. |
| frCircuitReceivedOctets | read-only | No | As per mib. |
| frCircuitCreationTime | read-only | No | As per mib. |
| frCircuitLastTimeChange | read-only | No | As per mib. |
| frCircuitCommittedBurst | read-write | No | Now only support read operation. |
| frCircuitExcessBurst | read-write | No | If not configured when creating the entry, the Excess Information Burst Size is set to the default value of 0 |
| frCircuitThroughput | read-write | No | Now only support read operation. |

## frErr Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| frErrIfIndex | read-only | No | Not supported |
| frErrType | read-only | No | Not supported |
| frErrData | read-only | No | Not supported |
| frErrTime | read-only | No | Not supported |

# RFC1381-MIB

Only the tables mentioned below are supported.

lapbAdmnTable is not fully supported. lapbAdmnT4IdleTimer, lapbAdmnActionInitiate, lapbAdmnActionRecvDM are Not supported here.

In lapbOperTable, the object lapbOperT4IdleTimer is read-only in our implementation.

lapbFlowTable is fully supported.

Objects in lapbXidTable can only be read., and they are always zero-length octet string excluding lapbXidIndex, for Xid is Not supported in our device.

## lapbAdmnTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lapbAdmnIndex | read-only | Yes | The ifIndex value for the LAPB interface |
| lapbAdmnStationType | read-write | No | Identifies the desired station type if this interface.  Not supported the station dxe |
| lapbAdmnControlField | read-write | No | The desired size of the sequence numbers used to number frames. |
| lapbAdmnTransmitN1FrameSize | read-write | No | The default maximum N1 frame size desired in number of bits for a frame transmitted by this DTE. This excludes flags and 0 bits inserted for transparency.  Ranging from 1096 to 12104, the same as lapbAdmnReceiveN1FrameSize. The default value is 12032. |
| lapbAdmnReceiveN1FrameSize | read-write | No | The default maximum N1 frame size desired in number of bits for a frame the DCE/remote DTE transmits to this DTE.  This excludes flags and 0 bits inserted for transparency.  Ranging from 1096 to 12104, the same as lapbAdmnTransmitN1FrameSize. The default value is 12032. |
| lapbAdmnTransmitKWindowSize | read-write | No | The default transmit window size for this Interface.  This is the maximum number of unacknowledged sequenced PDUs that may be outstanding from this DTE at any one time.  If lapbAdmnControlField is 1, it is ranging from 1 to 7. If lapbAdmnControlField is 2, it is ranging from 1 to 127, default value is 7. The same as lapbAdmnReceiveKWindowSize. |
| lapbAdmnReceiveKWindowSize | read-write | No | The default receive window size for this Interface.  This is the maximum number of unacknowledged sequenced PDUs that may be outstanding from the DCE/remote DTE at any one time.  If lapbAdmnControlField is 1, it is ranging from 1 to 7. If lapbAdmnControlField is 2, it is ranging from 1 to 127, default value is 7.The same as lapbAdmnTransmitKWindowSize. |
| lapbAdmnN2RxmitCount | read-write | No | The default N2 retry counter for this interface.  This specifies the number of times a PDU will be resent after the T1 timer expires without an acknowledgement for the PDU.  Ranging from 1 to 255, default value is 10. |
| lapbAdmnT1AckTimer | read-write | No | The default T1 timer for this interface.  This specifies the maximum time in Milliseconds to wait for acknowledgment of a PDU.  Ranging from 1 to 64000, default value is 3000. |
| lapbAdmnT2AckDelayTimer | read-write | No | The default T2 timer for this interface.  This specifies the maximum time in Milliseconds to wait before sending an acknowledgment for a sequenced PDU. A value of zero means there will be No delay in acknowledgement generation.  Ranging from 1 to 32000, default value is 1500. |
| lapbAdmnT3DisconnectTimer | read-write | No | The T3 timer for this interface. This specifies the time in Milliseconds to wait before considering the link isconnected. A value of zero indicates the link will be considered disconnected upon completion of the frame exchange to disconnect the link.  Ranging from 0 to 255, default value is 0. |
| lapbAdmnT4IdleTimer | read-write | No | Not supported |
| lapbAdmnActionInitiate | read-write | No | Not supported |
| lapbAdmnActionRecvDM | read-write | No | Not supported |

## lapbOperTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lapbOperIndex | read-only | Yes | The ifIndex value for the LAPB interface. |
| lapbOperStationType | read-only | No | Identifies the current operating station type of this interface. A value of dxe (3) indicates XID negotiation has not yet taken place. |
| lapbOperControlField | read-only | No | The current operating size of the sequence numbers used to number frames. |
| lapbOperTransmitN1FrameSize | read-only | No | The current operating N1 frame size used for the maximum number of bits in a frame this DTE can transmit.  This excludes flags and 0 bits inserted for transparency.  Ranging from 1096 to 12104, the same as lapbOperReceiveN1FrameSize. The default value is 12032. |
| lapbOperReceiveN1FrameSize | read-only | No | The current operating N1 frame size used for the maximum number of bits in a frame the DCE/remote DTE can transmit. This excludes flags and 0 bits inserted for transparency.  Ranging from 1096 to 12104, the same as lapbOperTransmitN1FrameSize. The default value is 12032. |
| lapbOperTransmitKWindowSize | read-only | No | The current PDU window size this Interface uses to transmit. This is the maximum number of unacknowledged sequenced PDUs that may be outstanding from this DTE at any one time.  If lapbOperControlField is 1, it is ranging from 1 to 7. If lapbOperControlField is 2, it is ranging from 1 to 127, default value is 7. The same as lapbOperReceiveKWindowSize. |
| lapbOperReceiveKWindowSize | read-only | No | The current receive PDU window size for this Interface. This is the maximum number of unacknowledged sequenced PDUs that may be outstanding from the DCE/remote DTE at any one time.  If lapbOperControlField is 1, it is ranging from 1 to 7. If lapbOperControlField is 2, it is ranging from 1 to 127, default value is 7.The same as lapbOperTransmitKWindowSize. |
| lapbOperN2RxmitCount | read-only | No | The current N2 retry counter used for this interface. This specifies the number of times a PDU will be resent after the T1 timer expires without an acknowledgement for the PDU.  Ranging from 1 to 255, default value is 10. |
| lapbOperT1AckTimer | read-only | No | The current T1 timer for this interface.  This specifies the maximum time in Milliseconds to wait for acknowledgment of a PDU.  Ranging from 1 to 64000, default value is 3000. |
| lapbOperT2AckDelayTimer | read-only | No | The current T2 timer for this interface.  This specifies the maximum time in Milliseconds to wait before sending an acknowledgment for a sequenced PDU. A value of zero means there will be No delay in acknowledgement generation  Ranging from 1 to 32000, default value is 1500. |
| lapbOperT3DisconnectTimer | read-only | No | The current T3 timer for this interface.  This specifies the time in Milliseconds to wait before considering the link disconnected. A value of zero indicates the link will be considered disconnected upon completion of the frame exchange to disconnect the link.  Ranging from 0 to 255, default value is 0. |
| lapbOperT4IdleTimer | read-write | No | Not supported |
| lapbOperPortId | read-only | No | Not supported |
| lapbOperProtocolVersionId | read-only | No | Not supported |

## lapbFlowTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lapbFlowIfIndex | read-only | Yes | The ifIndex value for the LAPB interface. |
| lapbFlowStateChanges | read-only | No | The number of LAPB State Changes, including resets. |
| lapbFlowChangeReason | read-only | No | The reason for the most recent incrementing of lapbFlowStateChanges.  A DM or DISC frame generated to initiate link set-up does not alter this object. When the MIB-II object ifOperStatus does not have a value of testing, there exists a correlation between this object and ifOperStatus. IfOperStatus will have a value of up when this object contains: abmEntered, abmeEntered, abmReset, or abmeReset. IfOperStatus will have a value of down when this object has a value of notStarted, or dmReceived through n2Timeout. There is No correlation when this object has the value other. |
| lapbFlowCurrentMode | read-only | No | The current condition of the conversation. |
| lapbFlowBusyDefers | read-only | No | The number of times this device was unable to transmit a frame due to a perceived remote busy condition. Busy conditions can result from the receipt of an RNR from the remote device, the lack of valid sequence number space (window saturation), or other conditions. |
| lapbFlowRejOutPkts | read-only | No | The number of REJ or SREJ frames sent by this station. |
| lapbFlowRejInPkts | read-only | No | The number of REJ or SREJ frames received by this station. |
| lapbFlowT1Timeouts | read-only | No | The number of times a re-transmission was effected by the T1 Timer expiring. |
| lapbFlowFrmrSent | read-only | No | The Information Field of the FRMR most recently sent. If No FRMR has been sent (the normal case) or the information isn't available, this will be an OCTET STRING of zero length. |
| lapbFlowFrmrReceived | read-only | No | The Information Field of the FRMR most recently received. If No FRMR has been received (the normal case) or the information isn't available, this will be an OCTET STRING of zero length. |
| lapbFlowXidReceived | read-only | No | The Information Field of the XID frame most recently received. If No XID frame has been received, this will be an OCTET STRING of zero length. |

## lapbXidTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| lapbXidIndex | read-only | Yes | The ifIndex value for the LAPB interface |
| lapbXidAdRIdentifier | read-write | No | Not supported |
| lapbXidAdRAddress | read-write | No | Not supported |
| lapbXidParameterUniqueIdentifier | read-write | No | Not supported |
| lapbXidGroupAddress | read-write | No | Not supported |
| lapbXidPortNumber | read-write | No | Not supported |
| lapbXidUserDataSubfield | read-write | No | Not supported |

# RFC1382-MIB

Only the tables mentioned below are supported.

## x25AdmnTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25AdmnIndex | read-only | Yes | The ifIndex value for the X.25 Interface |
| x25AdmnInterfaceMode | read-write | No | Identifies DCE/DTE mode in which the interface operates. A value of dxe indicates the mode will be determined by XID negotiation. |
| x25AdmnMaxActiveCircuits | read-write | No | The maximum number of circuits this PLE can support; including PVCs. |
| x25AdmnPacketSequencing | read-write | No | The modulus of the packet sequence number space. |
| x25AdmnRestartTimer | read-write | No | The T20 restart timer in milliseconds. |
| x25AdmnCallTimer | read-write | No | The T21 Call timer in milliseconds. |
| x25AdmnResetTimer | read-write | No | The T22 Reset timer in milliseconds. |
| x25AdmnClearTimer | read-write | No | The T23 Clear timer in milliseconds. |
| x25AdmnWindowTimer | read-write | No | The T24 window status transmission timer in milliseconds. A value of 2147483647 indicates No window timer in use.  Not supported. return 2147483647 |
| x25AdmnDataRxmtTimer | read-write | No | The T25 data retransmission timer in milliseconds. A value of 2147483647 indicates No data retransmission timer in use.  Not supported. return 2147483647 |
| x25AdmnInterruptTimer | read-write | No | The T26 interrupt timer in milliseconds. A value of 2147483647 indicates No interrupt timer in use.  Not supported. return 2147483647 |
| x25AdmnRejectTimer | read-write | No | The T27 Reject retransmission timer in milliseconds. A value of 2147483647 indicates No reject timer in use.  Not supported. return 2147483647 |
| x25AdmnRegistrationRequestTimer | read-write | No | The T28 registration timer in milliseconds. A value of 2147483647 indicates No registration timer in use.  Only supported by dte mode, dce return 2147483647. |
| x25AdmnMinimumRecallTimer | read-write | No | Minimum time interval between unsuccessful call attempts in milliseconds.  Not supported. |
| x25AdmnRestartCount | read-write | No | The R20 restart retransmission count. |
| x25AdmnResetCount | read-write | No | The r22 Reset retransmission count. |
| x25AdmnClearCount | read-write | No | The r23 Clear retransmission count. |
| x25AdmnDataRxmtCount | read-write | No | The R25 Data retransmission count. This value is irrelevant if the x25AdmnDataRxmtTimer indicates No timer in use.  Not supported |
| x25AdmnRejectCount | read-write | No | The R27 reject retransmission count. This value is irrelevant if the x25AdmnRejectTimer indicates No timer in use.  Not supported. |
| x25AdmnRegistrationRequestCount | read-write | No | The R28 Registration retransmission Count. This value is irrelevant if the x25AdmnRegistrationRequestTimer indicates No timer in use. |
| x25AdmnNumberPVCs | read-write | No | The number of PVC configured for this PLE. The PVCs use channel numbers from 1 to this number. |
| x25AdmnDefCallParamId | read-write | No | Not Supported. |
| x25AdmnLocalAddress | read-write | No | The local address for this PLE subnetwork. A zero length address maybe returned by PLEs that only support PVCs. |
| x25AdmnProtocolVersionSupported | read-write | No | Identifies the version of the X.25 protocol this interface should support. Object identifiers for common versions are defined below in the x25ProtocolVersion subtree.  read only, always return x25protocolCcittV1984 |

## x25OperTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25OperIndex | read-only | Yes | The ifIndex value for the X.25 Interface |
| x25OperInterfaceMode | read-only | Yes | Identifies DCE/DTE mode in which the interface operates. A value of dxe indicates the role will be determined by XID negotiation at the Link Layer and that negotiation has not yet taken place. |
| x25OperMaxActiveCircuits | read-only | Yes | Maximum number of circuits this PLE can support. |
| x25OperPacketSequencing | read-only | Yes | The modulus of the packet sequence number space. |
| x25OperRestartTimer | read-only | Yes | The T20 restart timer in milliseconds. |
| x25OperCallTimer | read-only | Yes | The T21 Call timer in milliseconds. |
| x25OperResetTimer | read-only | Yes | The T22 Reset timer in milliseconds. |
| x25OperClearTimer | read-only | Yes | The T23 Clear timer in milliseconds. |
| x25OperWindowTimer | read-only | Yes | The T24 window status transmission timer milliseconds. A value of 2147483647 indicates No window timer in use.  Not supported. return 2147483647 |
| x25OperDataRxmtTimer | read-only | Yes | The T25 Data Retransmission timer in milliseconds. A value of 2147483647 indicates No data retransmission timer in use.  Not supported. return 2147483647 |
| x25OperInterruptTimer | read-only | Yes | The T26 Interrupt timer in milliseconds. A value of 2147483647 indicates interrupts are not being used.  Not supported. return 2147483647 |
| x25OperRejectTimer | read-only | Yes | The T27 Reject retransmission timer in milliseconds. A value of 2147483647 indicates No reject timer in use.  Not supported. return 2147483647 |
| x25OperRegistrationRequestTimer | read-only | Yes | The T28 registration timer in milliseconds. A value of 2147483647 indicates No registration timer in use. |
| x25OperMinimumRecallTimer | read-only | Yes | Minimum time interval between unsuccessful call attempts in milliseconds.  Not supported. |
| x25OperRestartCount | read-only | Yes | The R20 restart retransmission count. |
| x25OperResetCount | read-only | Yes | The r22 Reset retransmission count. |
| x25OperClearCount | read-only | Yes | The r23 Clear retransmission count. |
| x25OperDataRxmtCount | read-only | Yes | The R25 Data retransmission count. This value is undefined if the x25OperDataRxmtTimer indicates No timer in use.  Not supported. |
| x25OperRejectCount | read-only | Yes | The R27 reject retransmission count. This value is undefined if the x25OperRejectTimer indicates No timer in use.  Not supported. |
| x25OperRegistrationRequestCount | read-only | Yes | The R28 Registration retransmission Count. This value is undefined if the x25OperREgistrationRequestTimer indicates No timer in use. |
| x25OperNumberPVCs | read-only | Yes | The number of PVC configured for this PLE. The PVCs use channel numbers from 1 to this number. |
| x25OperDefCallParamId | read-only | Yes | Not supported. |
| x25OperLocalAddress | read-only | Yes | The local address for this PLE subnetwork. A zero length address maybe returned by PLEs that only support PVCs. |
| x25OperDataLinkId | read-only | Yes | Not supported. |
| x25OperProtocolVersionSupported | read-write | No | Identifies the version of the X.25 protocol this interface supports. Object identifiers for common versions are defined below in the x25ProtocolVersion subtree.  Only return x25protocolCcittV1984 |

## x25StatTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25StatIndex | read-only | Yes | The ifIndex value for the X.25 Interface |
| x25StatInCalls | read-only | No | The number of incoming calls received. |
| x25StatInCallRefusals | read-only | No | The number of incoming calls refused. This includes calls refused by the PLE and by higher layers. This also includes calls cleared because of restricted fast select. |
| x25StatInProviderInitiatedClears | read-only | No | The number of clear requests with a cause code other than DTE initiated. |
| x25StatInRemotelyInitiatedResets | read-only | No | The number of reset requests received with cause code DTE initiated. |
| x25StatInProviderInitiatedResets | read-only | No | The number of reset requests received with cause code other than DTE initiated. |
| x25StatInRestarts | read-only | No | The number of remotely initiated (including provider initiated) restarts experienced by the PLE excluding the restart associated with bringing up the PLE interface. This only counts restarts received when the PLE already has an established connection with the remove PLE. |
| x25StatInDataPackets | read-only | No | The number of data packets received. |
| x25StatInAccusedOfProtocolErrors | read-only | No | The number of packets received containing a procedure error cause code. These include clear, reset, restart, or diagnostic packets. |
| x25StatInInterrupts | read-only | No | The number of interrupt packets received by the PLE or over the PVC/VC. |
| x25StatOutCallAttempts | read-only | No | The number of calls attempted. |
| x25StatOutCallFailures | read-only | No | The number of call attempts which failed. This includes calls that were cleared because of restrictive fast select. |
| x25StatOutInterrupts | read-only | No | The number of interrupt packets send by the PLE or over the PVC/VC. |
| x25StatOutDataPackets | read-only | No | The number of data packets sent by this PLE. |
| x25StatOutgoingCircuits | read-only | No | The number of active outgoing circuits. This includes call requests sent but not yet confirmed. This does not count PVCs. |
| x25StatIncomingCircuits | read-only | No | The number of active Incoming Circuits. This includes call indications received but not yet acknowledged. This does not count PVCs. |
| x25StatTwowayCircuits | read-only | No | The number of active two-way Circuits. This includes call requests sent but not yet confirmed. This does not count PVCs. |
| x25StatRestartTimeouts | read-only | No | Not supported |
| x25StatCallTimeouts | read-only | No | Not supported |
| x25StatResetTimeouts | read-only | No | Not supported |
| x25StatClearTimeouts | read-only | No | Not supported. |
| x25StatDataRxmtTimeouts | read-only | No | The number of times the T23 clear timer expired.  Not supported. |
| x25StatInterruptTimeouts | read-only | No | The number of times the T26 interrupt timer expired.  Not supported. |
| x25StatRetryCountExceededs | read-only | No | The number of times a retry counter was exhausted.  Not supported. |
| x25StatClearCountExceededs | read-only | No | The number of times the R23 clear count was exceeded.  Not supported. |

## x25ChannelTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25ChannelIndex | read-only | Yes | The ifIndex value for the X.25 Interface. |
| x25ChannelLIC | read-write | No | Lowest Incoming channel. |
| x25ChannelHIC | read-write | No | Highest Incoming channel. A value of zero indicates No channels in this range. |
| x25ChannelLTC | read-write | No | Lowest Two-way channel. |
| x25ChannelHTC | read-write | No | Highest Two-way channel. A value of zero indicates No channels in this range. |
| x25ChannelLOC | read-write | No | Lowest outgoing channel. |
| x25ChannelHOC | read-write | No | Highest outgoing channel. A value of zero indicates No channels in this range. |

## x25CircuitTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25CircuitIndex | read-only | Yes | The ifIndex value for the X.25 Interface. |
| x25CircuitChannel | read-only | No | The ifIndex value for the X.25 Interface. |
| x25CircuitStatus | read-write | No | This object reports the current status of the circuit |
| x25CircuitEstablishTime | read-only | No | The value of sysUpTime when the channel was associated with this circuit. For outgoing SVCs, this is the time the first call packet was sent. For incoming SVCs, this is the time the call indication was received. For PVCs this is the time the PVC was able to pass data to a higher layer entity without loss of data. |
| x25CircuitDirection | read-write | No | The direction of the call that established this circuit. |
| x25CircuitInOctets | read-only | No | The number of octets of user data delivered to upper layer. |
| x25CircuitInPdus | read-only | No | The number of PDUs received for this circuit. |
| x25CircuitInRemotelyInitiatedResets | read-only | No | Not supported |
| x25CircuitInProviderInitiatedResets | read-only | No | Not supported |
| x25CircuitInInterrupts | read-only | No | The number of interrupt packets received for this circuit. |
| x25CircuitOutOctets | read-only | No | The number of octets of user data sent for this circuit. |
| x25CircuitOutPdus | read-only | No | The number of PDUs sent for this circuit. |
| x25CircuitOutInterrupts | read-only | No | The number of interrupt packets sent on this circuit. |
| x25CircuitDataRetransmissionTimeouts | read-only | No | The number of interrupt packets sent on this circuit.  Not supported. |
| x25CircuitResetTimeouts | read-only | No | The number of times the T22 reset timer expired for this circuit. |
| x25CircuitInterruptTimeouts | read-only | No | The number of times the T26 Interrupt timer expired for this circuit.  Not supported. |
| x25CircuitCallParamId | read-only | No | This identifies the instance of the x25CallParmIndex for the entry in the x25CallParmTable which contains the call parameters in use with this circuit. The entry referenced must contain the values that are currently in use by the circuit rather than proposed values. A value of NULL indicates the circuit is a PVC or is using all the default parameters |
| x25CircuitCalledDteAddress | read-write | No | For incoming calls, this is the called address from the call indication packet. For outgoing calls, this is the called address from the call confirmation packet. This will be zero length for PVCs. |
| x25CircuitCallingDteAddress | read-write | No | For incoming calls, this is the calling address from the call indication packet. For outgoing calls, this is the calling address from the call confirmation packet. This will be zero length for PVCs. |
| x25CircuitOriginallyCalledAddress | read-write | No | For incoming calls, this is the address in the call Redirection or Call Deflection Notification facility if the call was deflected or redirected, otherwise it will be called address from the call indication packet. For outgoing calls, this is the address from the call request packet. This will be zero length for PVCs. |
| x25CircuitDescr | read-write | No | A descriptive string associated with this circuit. This provides a place for the agent to supply any descriptive information it knows about the use or owner of the circuit. The agent may return the process identifier and user name for the process using the circuit. Alternative the agent may return the name of the configuration entry that caused a bridge to establish the circuit. A zero length value indicates the agent doesn't have any additional information. |

## x25ClearedCircuitEntriesRequested

This table is not supported.

## x25ClearedCircuitEntriesGranted

This table is not supported.

## x25ClearedCircuitTable

This table is not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| x25CircuitIndex | read-only | Yes | The ifIndex value for the X.25 Interface. |
| x25CircuitChannel | read-only | No | The ifIndex value for the X.25 Interface. |

## x25CallParmTable

This table is not supported.

# RFC1450-SNMPv2-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| SnmpTrapOID | accessible-for-notify | No | As per mib |
| smmpTrapEnterprise | accessible-for-notify | No | As per mib |
| snmpSetSerialNo | read-write | No | As per mib |

# RFC1471-PPP-LCP MIB

## pppLinkStatus Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pppLinkStatusPhysicalIndex | read-only | No | As per mib. |
| pppLinkStatusBadAddresses | read-only | No | As per mib. |
| pppLinkStatusBadControls | read-only | No | As per mib. |
| pppLinkStatusPacketTooLongs | read-only | No | As per mib. |
| pppLinkStatusBadFCSs | read-only | No | As per mib. |
| pppLinkStatusLocalMRU | read-only | No | As per mib. |
| pppLinkStatusRemoteMRU | read-only | No | As per mib. |
| pppLinkStatusLocalToPeerACCMap | read-only | No | As per mib. |
| pppLinkStatusPeerToLocalACCMap | read-only | No | As per mib. |
| pppLinkStatusLocalToRemoteProtoComp | read-only | No | As per mib. |
| pppLinkStatusRemoteToLocalProtoComp | read-only | No | As per mib. |
| pppLinkStatusLocalToRemoteACCompression | read-only | No | As per mib. |
| pppLinkStatusRemoteToLocalACCompression | read-only | No | As per mib. |
| pppLinkStatusTransmitFcsSize | read-only | No | As per mib. |
| pppLinkStatusReceiveFcsSize | read-only | No | As per mib. |

## pppLinkConfig Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pppLinkConfigInitialMRU | read-only | No | As per mib. |
| pppLinkConfigReceiveACCMap | read-only | No | As per mib. |
| pppLinkConfigTransmitACCMap | read-only | No | As per mib. |
| pppLinkConfigMagicNumber | read-only | No | As per mib. |
| pppLinkConfigFcsSize | read-only | No | As per mib. |

# RFC1473-PPP-NCP MIB

## pppIp Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pppIpOperStatus | read-only | No | As per mib. |
| pppIpLocalToRemoteCompressionProtocol | read-only | No | As per mib. |
| pppIpRemoteToLocalCompressionProtocol | read-only | No | As per mib. |
| pppIpRemoteMaxSlotId | read-only | No | As per mib. |
| pppIpLocalMaxSlotId | read-only | No | As per mib. |

## pppIpConfig Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pppIpConfigAdminStatus | read-only | No | As per mib. |
| pppIpConfigCompression | read-only | No | As per mib. |

# RFC1657-BGP4 MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgpVersion | read-only | No | As per mib. |
| bgpLocalAs | read-only | Yes | As per mib. |
| bgpIdentifier | read-only | No | As per mib. |

## Bgp Peer Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgpPeerIdentifier | read-only | No | As per mib. |
| bgpPeerState | read-only | No | As per mib. |
| bgpPeerAdminStatus | read-only | No | As per mib. |
| bgpPeerNegotiatedVersion | read-only | No | As per mib. |
| bgpPeerLocalAddr | read-only | No | As per mib. |
| bgpPeerLocalPort | read-only | No | As per mib. |
| bgpPeerRemoteAddr | read-only | Yes | As per mib. |
| bgpPeerRemotePort | read-only | No | As per mib. |
| bgpPeerRemoteAs | read-only | Yes | As per mib. |
| bgpPeerInUpdates | read-only | No | As per mib. |
| bgpPeerOutUpdates | read-only | No | As per mib. |
| bgpPeerInTotalMessages | read-only | No | As per mib. |
| bgpPeerOutTotalMessages | read-only | No | As per mib. |
| bgpPeerLastError | read-only | No | As per mib. |
| bgpPeerFsmEstablishedTransitions | read-only | No | As per mib. |
| bgpPeerFsmEstablishedTime | read-only | No | As per mib. |
| bgpPeerConnectRetryInterval | read-only | No | As per mib. |
| bgpPeerHoldTime | read-only | No | As per mib. |
| bgpPeerKeepAlive | read-only | No | As per mib. |
| bgpPeerHoldTimeConfigured | read-write | No | Now only support read operation |
| bgpPeerKeepAliveConfigured | read-write | No | Now only support read operation |
| bgpPeerMinASOriginationInterval | read-write | No | Now only support read operation |
| bgpPeerMinRouteAdvertisementInterval | read-write | No | Now only support read operation |
| bgpPeerInUpdateElapsedTime | read-only | No | As per mib. |

## bgpPathAttr Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgpPathAttrPeer | read-only | No | As per mib. |
| bgpPathAttrDestNetwork | read-only | No | As per mib. |
| bgpPathAttrOrigin | read-only | No | As per mib. |
| bgpPathAttrASPath | read-only | No | As per mib. |
| bgpPathAttrNextHop | read-only | No | As per mib. |
| bgpPathAttrInterASMetric | read-only | No | As per mib. |

## Bgp4PathAttr Table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| bgp4PathAttrPeer | read-only | No | As per mib. |
| bgp4PathAttrIpAddrPrefixLen | read-only | No | As per mib. |
| bgp4PathAttrIpAddrPrefix | read-only | No | As per mib. |
| bgp4PathAttrOrigin | read-only | No | As per mib. |
| bgp4PathAttrASPathSegment | read-only | No | As per mib. |
| bgp4PathAttrNextHop | read-only | No | As per mib. |
| bgp4PathAttrMultiExitDisc | read-only | No | As per mib. |
| bgp4PathAttrLocalPref | read-only | No | As per mib. |
| bgp4PathAttrAtomicAggregate | read-only | No | As per mib. |
| bgp4PathAttrAggregatorAS | read-only | No | As per mib. |
| bgp4PathAttrAggregatorAddr | read-only | No | As per mib. |
| bgp4PathAttrCalcLocalPref | read-only | No | As per mib. |
| bgp4PathAttrBest | read-only | No | As per mib. |
| bgp4PathAttrUnknown | read-only | No | As per mib. |

# RFC1724-RIPv2

## rip2Globals { rip2 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2GlobalRouteChanges | read-only | No | As per mib. |
| rip2GlobalQueries | read-only | No | As per mib. |

## rip2IfStatTable { rip2 2 }

### rip2IfStatEntry { rip2IfStatTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2IfStatAddress | read-only | No | As per mib. |
| rip2IfStatRcvBadPackets | read-only | No | As per mib. |
| rip2IfStatRcvBadRoutes | read-only | No | As per mib. |
| rip2IfStatSentUpdates | read-only | No | As per mib. |
| rip2IfStatStatus | read-create | No | Now only support read operation |

## rip2IfConfTable { rip2 3 }

### rip2IfConfEntry { rip2IfConfTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2IfConfAddress | read-only | No | As per mib. |
| rip2IfConfDomain | read-create | No | Now only support read operation |
| rip2IfConfAuthType | read-create | Yes | Now only support read operation |
| rip2IfConfAuthKey | read-create | Yes | Now only support read operation |
| rip2IfConfSend | read-create | Yes | Now only support read operation |
| rip2IfConfReceive | read-create | Yes | Now only support read operation |
| rip2IfConfDefaultMetric | read-create | No | Now only support read operation |
| rip2IfConfStatus | read-create | No | Now only support read operation |
| rip2IfConfSrcAddress | read-create | No | Now only support read operation |

## rip2PeerTable { rip2 4 }

### Rip2PeerEntry { rip2PeerTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| rip2PeerAddress | read-only | Yes | As per mib. |
| rip2PeerDomain | read-only | No | As per mib. |
| rip2PeerLastUpdate | read-only | No | As per mib. |
| rip2PeerVersion | read-only | Yes | As per mib. |
| rip2PeerRcvBadPackets | read-only | No | As per mib. |
| rip2PeerRcvBadRoutes | read-only | No | As per mib. |

# RFC1850-OSPF

## ospfGeneralGroup { ospf 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfRouterId | read-write | Yes | not support the write access |
| ospfAdminStat | read-write | No | not support the write access. |
| ospfVersionNumber | read-only | No | As per mib |
| ospfAreaBdrRtrStatus | read-only | No | As per mib |
| ospfASBdrRtrStatus | read-write | No | not support the write access |
| ospfExternLsaCount | read-only | No | As per mib |
| ospfExternLsaCksumSum | read-only | No | As per mib |
| ospfTOSSupport | read-write | No | not support the write access |
| ospfOriginateNewLsas | read-only | No | As per mib |
| ospfRxNewLsas | read-only | No | As per mib |
| ospfExtLsdbLimit | read-write | No | not support the write access |
| ospfMulticastExtensions | read-write | No | not support the write access |
| ospfExitOverflowInterval | read-write | No | not support the write access |
| ospfDemandExtensions | read-write | No | not support the write access |

## ospfAreaTable { ospf 2 }

### ospfAreaEntry { ospfAreaTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfAreaId | read-only | Yes | As per mib. |
| ospfAuthType | read-create | Yes | Now only support read operation |
| ospfImportAsExtern | read-create | Yes | Now only support read operation |
| ospfSpfRuns | read-only | No | As per mib. |
| ospfAreaBdrRtrCount | read-only | No | As per mib. |
| ospfAsBdrRtrCount | read-only | No | As per mib. |
| ospfAreaLsaCount | read-only | No | As per mib. |
| ospfAreaLsaCksumSum | read-only | No | As per mib. |
| ospfAreaSummary | read-create | Yes | Now only support read operation |
| ospfAreaStatus | read-create | No | Now only support read operation |

## ospfStubAreaTable { ospf 3 }

### ospfStubAreaEntry { ospfStubAreaTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfStubAreaId | read-only | Yes | As per mib. |
| ospfStubTOS | read-only | No | As per mib. |
| ospfStubMetric | read-create | No | Now only support read operation |
| ospfStubStatus | read-create | No | Now only support read operation |
| ospfStubMetricType | read-create | No | Now only support read operation |

## ospfLsdbTable { ospf 4 }

### ospfLsdbEntry { ospfLsdbTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfLsdbAreaId | read-only | No | As per mib. |
| ospfLsdbType | read-only | No | As per mib. |
| ospfLsdbLsid | read-only | No | As per mib. |
| ospfLsdbRouterId | read-only | No | As per mib. |
| ospfLsdbSequence | read-only | No | As per mib. |
| ospfLsdbAge | read-only | No | As per mib. |
| ospfLsdbChecksum | read-only | No | As per mib. |
| ospfLsdbAdvertisement | read-only | No | As per mib. |

## ospfAreaRangeTable { ospf 5 }

### ospfAreaRangeEntry { ospfAreaRangeTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfAreaRangeAreaId | read-only | Yes | As per mib. |
| ospfAreaRangeNet | read-only | Yes | As per mib. |
| ospfAreaRangeMask | read-create | Yes | Now only support read operation |
| ospfAreaRangeStatus | read-create | No | Now only support read operation |
| ospfAreaRangeEffect | read-create | No | Now only support read operation |

## ospfHostTable { ospf 6 }

### ospfHostEntry { ospfHostTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfHostIpAddress | read-only | No | Not supported |
| ospfHostTOS | read-only | No | Not supported |
| ospfHostMetric | read-create | No | Not supported |
| ospfHostStatus | read-create | No | Not supported |
| ospfHostAreaID | read-only | No | Not supported |

## ospfIfTable { ospf 7 }

### ospfIfEntry { ospfIfTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfIfIpAddress | read-only | Yes | As per mib. |
| ospfAddressLessIf | read-only | No | As per mib. |
| ospfIfAreaId | read-create | No | Now only support read operation |
| ospfIfType | read-create | Yes | Now only support read operation |
| ospfIfAdminStat | read-create | No | Now only support read operation |
| ospfIfRtrPriority | read-create | Yes | Now only support read operation |
| ospfIfTransitDelay | read-create | Yes | Now only support read operation |
| ospfIfRetransInterval | read-create | Yes | Now only support read operation |
| ospfIfHelloInterval | read-create | Yes | Now only support read operation |
| ospfIfRtrDeadInterval | read-create | Yes | Now only support read operation |
| ospfIfPollInterval | read-create | Yes | Now only support read operation |
| ospfIfState | read-only | No | As per mib. |
| ospfIfDesignatedRouter | read-only | No | As per mib. |
| ospfIfBackupDesignatedRouter | read-only | No | As per mib. |
| ospfIfEvents | read-only | No | As per mib. |
| ospfIfAuthKey | read-create | Yes | Now only support read operation |
| ospfIfStatus | read-create | No | Now only support read operation |
| ospfIfMulticastForwarding | read-create | No | Now only support read operation |
| ospfIfDemand | read-create | No | Now only support read operation |
| ospfIfAuthType | read-create | Yes | Now only support read operation |

## ospfIfMetricTable { ospf 8 }

### ospfIfMetricEntry { ospfIfMetricTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfIfMetricIpAddress | read-only | No | As per mib. |
| ospfIfMetricAddressLessIf | read-only | No | As per mib. |
| ospfIfMetricTOS | read-only | No | As per mib. |
| ospfIfMetricValue | read-create | Yes | Now only support read operation |
| ospfIfMetricStatus | read-create | No | Now only support read operation |

## ospfVirtIfTable { ospf 9 }

### ospfVirtIfEntry { ospfVirtIfTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfVirtIfAreaId | read-only | No | As per mib. |
| ospfVirtIfNeighbor | read-only | Yes | As per mib. |
| ospfVirtIfTransitDelay | read-create | Yes | Now only support read operation |
| ospfVirtIfRetransInterval | read-create | Yes | Now only support read operation |
| ospfVirtIfHelloInterval | read-create | Yes | Now only support read operation |
| ospfVirtIfRtrDeadInterval | read-create | Yes | Now only support read operation |
| ospfVirtIfState | read-only | No | As per mib. |
| ospfVirtIfEvents | read-only | No | As per mib. |
| ospfVirtIfAuthKey | read-create | Yes | Now only support read operation |
| ospfVirtIfStatus | read-create | No | Now only support read operation |
| ospfVirtIfAuthType | read-create | Yes | Now only support read operation |

## ospfNbrTable { ospf 10 }

### ospfNbrEntry { ospfNbrTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfNbrIpAddr | read-only | No | As per mib. |
| ospfNbrAddressLessIndex | read-only | No | As per mib. |
| ospfNbrRtrId | read-only | No | As per mib. |
| ospfNbrOptions | read-only | No | As per mib. |
| ospfNbrPriority | read-create | No | Now only support read operation |
| ospfNbrState | read-only | No | As per mib. |
| ospfNbrEvents | read-only | No | As per mib. |
| ospfNbrLsRetransQLen | read-only | No | As per mib. |
| ospfNbmaNbrStatus | read-create | No | Now only support read operation |
| ospfNbmaNbrPermanence | read-only | No | As per mib. |
| ospfNbrHelloSuppressed | read-only | No | As per mib. |

## ospfVirtNbrTable { ospf 11 }

### ospfVirtNbrEntry { ospfVirtNbrTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfVirtNbrArea | read-only | No | As per mib. |
| ospfVirtNbrRtrId | read-only | No | As per mib. |
| ospfVirtNbrIpAddr | read-only | No | As per mib. |
| ospfVirtNbrOptions | read-only | No | As per mib. |
| ospfVirtNbrState | read-only | No | As per mib. |
| ospfVirtNbrEvents | read-only | No | As per mib. |
| ospfVirtNbrLsRetransQLen | read-only | No | As per mib. |
| ospfVirtNbrHelloSuppressed | read-only | No | As per mib. |

## ospfExtLsdbTable { ospf 12 }

### ospfExtLsdbEntry { ospfExtLsdbTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfExtLsdbType | read-only | No | As per mib. |
| ospfExtLsdbLsid | read-only | No | As per mib. |
| ospfExtLsdbRouterId | read-only | No | As per mib. |
| ospfExtLsdbSequence | read-only | No | As per mib. |
| ospfExtLsdbAge | read-only | No | As per mib. |
| ospfExtLsdbChecksum | read-only | No | As per mib. |
| ospfExtLsdbAdvertisement | read-only | No | As per mib. |

## ospfAreaAggregateTable { ospf 14 }

### ospfAreaAggregateEntry { ospfAreaAggregateTable 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ospfAreaAggregateAreaID | read-only | No | As per mib\. |
| ospfAreaAggregateLsdbType | read-only | No | As per mib. |
| ospfAreaAggregateNet | read-only | Yes | As per mib. |
| ospfAreaAggregateMask | read-only | Yes | As per mib. |
| ospfAreaAggregateStatus | read-create | No | Now only support read operation |
| ospfAreaAggregateEffect | read-create | No | Now only support read operation |

# RFC2096-IP-FORWARD-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipCidrRouteNumber | read-only | No | As per mib |

## ipCidrRouteTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ipCidrRouteDest | read-only | No | As per mib |
| ipCidrRouteMask | read-only | No | As per mib |
| ipCidrRouteTos | read-only | No | As per mib |
| ipCidrRouteNextHop | read-only | No | As per mib |
| ipCidrRouteIfIndex | read-create | No | Now only support read operation |
| ipCidrRouteType | read-create | No | There are only three types: reject, remote and local.  Now only support read operation |
| ipCidrRouteProto | read-only | No | Our corporation support local, netmgmt,rip, ospf, is-is, bgp, other(means not specified). |
| ipCidrRouteAge | read-only | No | Now only support read operation |
| ipCidrRouteInfo | read-create | No | Value is NULL.  Now only support read operation |
| ipCidrRouteNextHopAS | read-create | No | Value is 0.  Now only support read operation |
| ipCidrRouteMetric1 | read-create | No | Interior metric of this route.  Now only support read operation. |
| ipCidrRouteMetric2 | read-create | No | Value is -1.  Now only support read operation |
| ipCidrRouteMetric3 | read-create | No | Value is -1.  Now only support read operation |
| ipCidrRouteMetric4 | read-create | No | Value is -1.  Now only support read operation |
| ipCidrRouteMetric5 | read-create | No | Value is -1.  Now only support read operation |
| ipCidrRouteStatus | read-create | No | Now only support read operation |

# RFC2127-ISDN-MIB

This MIB describes the management of ISDN interfaces.

In this MIB, there are tables used to config some parameters of ISDN interfaces, including the physical parameters for Basic Rate Interfaces, port specific operational, statistics and active call data for ISDN B channel, configuration, statistics and operational parameters for all ISDN signaling channels, configuration and statistics for ISDN LAPD（D channel Data Link）, configuration for Terminal Endpoints and all Directory Numbers in the Managed Device.

## isdnBasicRateTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnBasicRateIfType | read-write | No | Not supported.  It will always return the default value :  The physical interface type,  isdns(75) or isdnu(76), depended on the device. |
| isdnBasicRateLineTopology | read-write | Yes | As per mib |
| isdnBasicRateIfMode | read-write | No | Only support read-Only. And all devices are TE. |
| isdnBasicRateSignalMode | read-write | No | Only when an interface is in the status of inactive(2),can it be set to active(1).Otherwise, this object can only be read. |

## isdnBearerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnBearerChannelType | read-write | Yes | As per mib |
| isdnBearerOperStatus | read-only | No | As per mib |
| isdnBearerChannelNumber | read-only | No | As per mib |
| isdnBearerPeerAddress | read-only | No | Only support the current call. |
| isdnBearerPeerSubAddress | read-only | No | Only support the current call. |
| isdnBearerCallOrigin | read-only | No | Only support the current call. |
| isdnBearerInfoType | read-only | No | Only support the current call. |
| isdnBearerMultirate | read-only | No | Not supported |
| isdnBearerCallSetupTime | read-only | No | Not supported |
| isdnBearerCallConnectTime | read-only | No | Not supported |
| isdnBearerChargedUnits | read-only | No | Not supported |

## isdnSignalingTable

This table is not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnSignalingIndex | not-accessible | No | The index value which uniquely identifies an entry in the isdnSignalingTable. |
| isdnSignalingIfIndex | read-only | No | The ifIndex value of the interface associated with this signaling channel. |
| isdnSignalingProtocol | read-create | No | The particular protocol type supported by the switch providing access to the ISDN network to which this signaling channel is connected.  The protocols supported are DSS1、NTT、NI、ETSI、ANSI, AT&T and QSIG. |
| isdnSignalingCallingAddress | read-create | No | The ISDN Address to be assigned to this signaling Channel.  It can be an EAZ (1TR6), a calling number (DSS1, ETSI) or any other number.  If there is No such number defined or required, this is a zero length string. |
| isdnSignalingSubAddress | read-create | No | Supplementary information to the ISDN address assigned to this signaling channel.  If there is No such number defined or required, this is a zero length string. The subaddress is an user supplied string of up to 20 IA5 characters. |
| isdnSignalingBchannelCount | read-create | No | The total number of B channels (bearer channels) managed by this signaling channel. |
| isdnSignalingInfoTrapEnable | read-create | No | Indicates whether isdnMibCallInformation traps should be generated for calls on this signaling channel. |
| isdnSignalingStatus | read-create | No | This object is used to create and delete rows in the isdnSignalingTable. |

## isdnSignalingStatsTable

This table is not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnSigStatsInCalls | read-only | No | The number of incoming calls on this interface. |
| isdnSigStatsInConnected | read-only | No | The number of incoming calls on this interface which were actually connected. |
| isdnSigStatsOutCalls | read-only | No | The number of outgoing calls on this interface. |
| isdnSigStatsOutConnected | read-only | No | The number of outgoing calls on this interface which were actually connected. |
| isdnSigStatsChargedUnits | read-only | No | The number of charging units on this interface since system startup.  Only the charging units applying to the local interface, i.e. for originated calls or for calls with 'Reverse charging' being active, are counted here.  Not supported here. |

## isdnLapdTable

Table containing configuration and statistics information for all LAPD (D channel Data Link) interfaces on this managed device.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnLapdPrimaryChannel | read-write | No | If set to true(1), this D channel is the designated primary D channel if D channel backup is active. There must be exactly one primary D channel configured. If D channel backup is not used, this object has a value of true(1). |
| isdnLapdOperStatus | read-only | No | As per mib |
| isdnLapdPeerSabme | read-only | No | Not supported |
| isdnLapdRecvdFrmr | read-only | No | Not supported |

## isdnEndpointTable

This table is not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnEndpointIndex | not-accessible | No | The index value which uniquely identifies an entry in the isdnEndpointTable. |
| isdnEndpointIfIndex | read-only | No | The ifIndex value of the interface associated with this Terminal Endpoint. |
| isdnEndpointIfType | read-create | No | The interface type for this Terminal Endpoint. Interface types of x25ple(40) and isdn(63) are allowed. The interface type is identical to the value of ifType in the associated ifEntry.  All Interfaces in this table are isdn interfaces, x25ple is not supported. |
| isdnEndpointTeiType | read-create | No | dynamic(1) or static(2).This object is read-only here.For PRI it is static(2) and for BRI it is dynamic(1) |
| isdnEndpointTeiValue | read-create | No | For PRI the value is 0 permanently, for BRI the value is assigned by the switches it connect to.This object is read-only here. |
| isdnEndpointSpid | read-create | No | The Service profile IDentifier (SPID) information for this Terminal Endpoint. Only for NI-1.  This object is Not supported here. |
| isdnEndpointStatus | read-create | No | This object is used to create and delete rows in the isdnEndpointTable.  Not fully supported here, all rows are active. |

## isdnDirectoryTable

This table is not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnDirectoryIndex | not-accessible | No | The index value which uniquely identifies an entry in the isdnEndpointTable. |
| isdnDirectoryNumber | read-create | No | The ifIndex value of the interface associated with this Terminal Endpoint. This object is read-write here. |
| isdnDirectorySigIndex | read-create | No | An index pointing to an ISDN signaling channel.  Incoming calls are accepted on this signaling channel if the isdnDirectoryNumber is presented as Called Number in the SETUP message.  This object is read-write here. |
| isdnDirectoryStatus | read-create | No | This object is used to create and delete rows in the isdnEndpointTable.  Not fully supported here, all rows are active. |

## Leaf node and Trap

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isdnSignalingGetIndex | read-write | No | This object can’t be used to create a new row for the isdnSignalingTable is not supported. |
| isdnEndpointGetIndex | read-write | No | This object can’t be used to create a new row for the isdnEndpointTable is not supported. |
| isdnMibCallInformation | not-accessible | No | As per mib |

# RFC2233-IfMIB

Only support ifXTable.

## ifXTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifName | read-only | No | interface name, same as ifDescr in ifTable |
| ifInMulticastPkts | read-only | No | As per mib |
| ifInBroadcastPkts | read-only | No | As per mib |
| ifOutMulticastPkts | read-only | No | As per mib |
| ifOutBroadcastPkts | read-only | No | As per mib |
| ifHCInOctets | read-only | No | As per mib |
| ifHCInUcastPkts | read-only | No | As per mib |
| ifHCInMulticastPkts | read-only | No | As per mib |
| ifHCInBroadcastPkts | read-only | No | As per mib |
| ifHCOutOctets | read-only | No | As per mib |
| ifHCOutUcastPkts | read-only | No | As per mib |
| ifHCOutMulticastPkts | read-only | No | As per mib |
| ifHCOutBroadcastPkts | read-only | No | As per mib |
| ifLinkUpDownTrapEnable | read-write | No | Indicates whether linkUp/linkDown traps should be generated for this interface. |
| ifHighSpeed | read-only | No | An estimate of the interface's current bandwidth in units of 1048576 (1024\*1024) bits per second. If this object reports a value of `n' then the speed of the interface is somewhere in the range of `n-500,000' to `n+499,999'. For interfaces which do not vary in bandwidth or for those where No accurate estimation can be made, this object should contain the nominal bandwidth. For a sub-layer which has No concept of bandwidth, this object should be zero. |
| ifPromiscuousMode | read-write | No | As per mib |
| ifConnectorPresent | read-only | No | This object has the value 'true(1)' if the interface sublayer has a physical connector and the value'false(2)' otherwise. |
| ifAlias | read-write | Yes | This object is an 'alias' name for the interface as specified by a network manager, and provides a non-volatile 'handle' for the interface. Default for each interface is “HUAWEI, Quidway Series, xxxx Interface” or null string. Xxxx is interface name. |
| ifCounterDiscontinuityTime | read-only | No | Not supported |

# RFC2515-ATM MIB

## atmInterfaceConfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmInterfaceMaxVpcs | read-write | Yes | Not supported.The return value is 0. |
| atmInterfaceMaxVccs | read-write | Yes | Only support read-only.  The range is from 0..2047. Currently, the platform only supports 2048 VCCs in maximum. |
| atmInterfaceConfVpcs | read-only | Yes | Not supported.The return value is 0. |
| atmInterfaceConfVccs | read-only | Yes | The range is from 0..2047. Currently, the platform only supports 2047 VCCs in maximum. |
| atmInterfaceMaxActiveVpiBits | read-write | No | Only support read-only.  The value is always 8 restricted by the platform implementation. |
| atmInterfaceMaxActiveVciBits | read-write | No | Only support read.  The value is always 11 restricted by our platform implementation. |
| atmInterfaceIlmiVpi | read-write | No | Not supported.  The return value is 0. |
| atmInterfaceIlmiVci | read-write | No | Not supported .  The return value is 0. |
| atmInterfaceAddressType | read-only | No | Deprecated.  The return value is 4. |
| atmInterfaceAdminAddress | read-only | No | Deprecated and return zero length string |
| atmInterfaceMyNeighborIpAddress | read-write | No | Not supported.  The return value is 0. |
| atmInterfaceMyNeighborIfName | read-write | No | Not supported and return zero length string |
| atmInterfaceCurrentMaxVpiBits | read-only | No | Not supported.  The return value is 0. |
| atmInterfaceCurrentMaxVciBits | read-only | No | Not supported.  The return value is 0. |
| atmInterfaceSubscrAddress | read-write | No | Not supported and return zero length string |

## atmInterfaceDs3PlcpTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmInterfaceDs3PlcpSEFSs | read-only | No | As per mib |
| atmInterfaceDs3PlcpAlarmState | read-only | No | As per mib |
| atmInterfaceDs3PlcpUASs | read-only | No | As per mib |

## atmInterfaceTCTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmInterfaceOCDEvents | read-only | No | As per mib |
| atmInterfaceTCAlarmState | read-only | No | As per mib |

## atmTrafficDescrParamTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmTrafficDescrParamIndex | not-accessible | No | As per mib |
| atmTrafficDescrType | read-create | Yes | atmNoClpNoScrCdvt  atmNoClpScr  atmNoClpNoScr |
| atmTrafficDescrParam1 | read-create | Yes | The range is from 150..1466981. Currently, the platform only supports 1466981 cells per second in maximum.  The value is different depending on hardware. |
| atmTrafficDescrParam2 | read-create | Yes | The range is from 150.. 1466981. Currently, the platform only supports 1466981 cells per second in maximum.  The value is different depending on hardware. |
| atmTrafficDescrParam3 | read-create | Yes | The range is from 1..512. Currently, the platform only supports 512 burst cells in maximum. |
| atmTrafficDescrParam4 | read-create | No | As per mib |
| atmTrafficDescrParam5 | read-create | No | As per mib |
| atmTrafficDescrRowStatus | read-create | Yes | Not supported.  The return value is active(1). |
| atmServiceCategory | read-create | Yes | Currently, the platform only supports cbr(2), rtVbr(3), nrtVbr(4), ubr(6).  When choosing ubr(6), the atmTrafficDescrType and atmTrafficDescrParam1 must be configured at the same time, when choosing cbr(2), the atmTrafficDescrType,. atmTrafficDescrParam1 and atmTrafficDescrParam2 must be configured. When choosing nrtVbr(4), the atmTrafficDescrType,. atmTrafficDescrParam1, atmTrafficDescrParam2 and atmTrafficDescrParam3 must be configured at the same time. When choosing rtVbr(3), the atmTrafficDescrType . atmTrafficDescrParam1. atmTrafficDescrParam2 and atmTrafficDescrParam3 must be configured at the same time. |
| atmTrafficFrameDiscard | read-create | Yes | Only support read-only. The value is always true(1) restricted by the platform implementation. |

## atmVplTable

This table is Not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmVplVpi | not-accessible | No | Not supported |
| atmVplAdminStatus | read-create | No | Not supported |
| atmVplOperStatus | read-only | No | Not supported |
| atmVplLastChange | read-only | No | Not supported |
| atmVplReceiveTrafficDescrIndex | read-create | No | Not supported |
| atmVplTransmitTrafficDescrIndex | read-create | No | Not supported |
| atmVplCrossConnectIdentifier | read-only | No | Not supported |
| atmVplRowStatus | read-create | No | Not supported |
| atmVplCastType | read-create | No | Not supported |
| atmVplConnKind | read-create | No | Not supported |

## atmVclTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmVclVpi | not-accessible | No | As per mib |
| atmVclVci | not-accessible | No | As per mib |
| atmVclAdminStatus | read-create | No | Not supported. |
| atmVclOperStatus | read-only | No | As per mib |
| atmVclLastChange | read-only | No | Not supported.  The return value is 0. |
| atmVclReceiveTrafficDescrIndex | read-create | No | Not supported. |
| atmVclTransmitTrafficDescrIndex | read-create | Yes | Now only support read operation |
| atmVccAalType | read-create | Yes | Only support aal5(3). |
| atmVccAal5CpcsTransmitSduSize | read-create | Yes | Now only support read operation  The value is always 16384 restricted by the platform implementation |
| atmVccAal5CpcsReceiveSduSize | read-create | Yes | Now only support read operation  The value is always 65535 restricted by the platform implementation. |
| atmVccAal5EncapsType | read-create | Yes | Only support vcMultiplexRoutedProtocol(1) llcEncapsulation(7) multiprotocolFrameRelaySscs (8) |
| atmVclCrossConnectIdentifier | read-only | No | Not supported.  The return value is 0. |
| atmVclRowStatus | read-create | No | Now support three states: 1(active), 4(createAndGo), 6(destory).  When a row of atmVclTable is created, a row of atmTrafficDescrParamTable will be created automatically. And when a row of atmVclTable is deleted, the corresponding entry of atmTrafficDescrParamTable is deleted automatically. |
| atmVclCastType | read-create | Yes | Now only support read operation  The return value is p2p (1). Currently, the platform only supports the p2p (1) type. |
| atmVclConnKind | read-create | Yes | Now only support read operation  The return value is pvc (1). Currently, the platform only supports the pvc (1) type. |

## atmVpCrossConnectTable

This table is Not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmVpCrossConnectIndex | not-accessible | No | Not supported |
| atmVpCrossConnectLowIfIndex | not-accessible | No | Not supported |
| atmVpCrossConnectLowVpi | not-accessible | No | Not supported |
| atmVpCrossConnectHighIfIndex | not-accessible | No | Not supported |
| atmVpCrossConnectHighVpi | not-accessible | No | Not supported |
| atmVpCrossConnectAdminStatus | read-create | No | Not supported |
| atmVpCrossConnectL2HOperStatus | read-only | No | Not supported |
| atmVpCrossConnectH2LOperStatus | read-only | No | Not supported |
| atmVpCrossConnectL2HLastChange | read-only | No | Not supported |
| atmVpCrossConnectH2LLastChange | read-only | No | Not supported |
| atmVpCrossConnectRowStatus | read-create | No | Not supported |

## atmVcCrossConnectTable

This table is Not supported.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmVcCrossConnectIndex | not-accessible | No | Not supported |
| atmVcCrossConnectLowIfIndex | not-accessible | No | Not supported |
| atmVcCrossConnectLowVpi | not-accessible | No | Not supported |
| atmVcCrossConnectLowVci | not-accessible | No | Not supported |
| atmVcCrossConnectHighIfIndex | not-accessible | No | Not supported |
| atmVcCrossConnectHighVpi | not-accessible | No | Not supported |
| atmVcCrossConnectHighVci | not-accessible | No | Not supported |
| atmVcCrossConnectAdminStatus | read-create | No | Not supported |
| atmVcCrossConnectL2HOperStatus | read-only | No | Not supported |
| atmVcCrossConnectH2LOperStatus | read-only | No | Not supported |
| atmVcCrossConnectL2HLastChange | read-only | No | Not supported |
| atmVcCrossConnectH2LLastChange | read-only | No | Not supported |
| atmVcCrossConnectRowStatus | read-create | No | Not supported |

## aal5VccTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| aal5VccVpi | not-accessible | No | As per mib |
| aal5VccVci | not-accessible | No | As per mib |
| aal5VccCrcErrors | read-only | No | As per mib |
| aal5VccSarTimeOuts | read-only | No | As per mib |
| aal5VccOverSizedSDUs | read-only | No | As per mib |

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| atmVpCrossConnectIndexNext | read-only | No | Not supported |
| atmVcCrossConnectIndexNext | read-only | No | Not supported |
| atmTrafficDescrParamIndexNext | read-only | No | Not supported |

# RFC2618-RADIUS-AUTH-CLIENT-MIB

This mib is supported by router only.

## radiusAuthClient

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAuthClientInvalidServerAddresses | read-only | No | As per mib |
| radiusAuthClientIdentifier | read-only | No | As per mib |

## radiusAuthServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAuthServerIndex | not-accessible | No | As per mib |
| radiusAuthServerAddress | read-only | Yes | As per mib |
| radiusAuthClientServerPortNumber | read-only | Yes | As per mib |
| radiusAuthClientRoundTripTime | read-only | No | As per mib |
| radiusAuthClientAccessRequests | read-only | No | As per mib |
| radiusAuthClientAccessRetransmissions | read-only | No | As per mib |
| radiusAuthClientAccessAccepts | read-only | No | As per mib |
| radiusAuthClientAccessRejects | read-only | No | As per mib |
| radiusAuthClientAccessChallenges | read-only | No | As per mib |
| radiusAuthClientMalformedAccessResponses | read-only | No | As per mib |
| radiusAuthClientBadAuthenticators | read-only | No | As per mib |
| radiusAuthClientPendingRequests | read-only | No | As per mib |
| radiusAuthClientTimeouts | read-only | No | As per mib |
| radiusAuthClientUnknownTypes | read-only | No | As per mib |
| radiusAuthClientPacketsDropped | read-only | No | As per mib |

# RFC2620-RADIUS-ACC-CLIENT-MIB

This mib is supported by router only.

## radiusAccClient

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAccClientInvalidServerAddresses | read-only | No | As per mib |
| radiusAccClientIdentifier | read-only | No | As per mib |

## radiusAccServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| radiusAccServerIndex | not-accessible | No | As per mib |
| radiusAccServerAddress | read-only | Yes | As per mib |
| radiusAccClientServerPortNumber | read-only | Yes | As per mib |
| radiusAccClientRoundTripTime | read-only | No | As per mib |
| radiusAccClientRequests | read-only | No | As per mib |
| radiusAccClientRetransmissions | read-only | No | As per mib |
| radiusAccClientResponses | read-only | No | As per mib |
| radiusAccClientMalformedResponses | read-only | No | As per mib |
| radiusAccClientBadAuthenticators | read-only | No | As per mib |
| radiusAccClientPendingRequests | read-only | No | As per mib |
| radiusAccClientTimeouts | read-only | No | As per mib |
| radiusAccClientUnknownTypes | read-only | No | As per mib |
| radiusAccClientPacketsDropped | read-only | No | As per mib |

# RFC2665-EtherLike-MIB

This mib describes generic objects for Ethernet-like network interfaces

Only support dot3StatsTable.

## dot3StatsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dot3StatsIndex | read-only | No | As per mib |
| dot3StatsAlignmentErrors | read-only | No | As per mib |
| dot3StatsFCSErrors | read-only | No | As per mib |
| dot3StatsSingleCollisionFrames | read-only | No | As per mib |
| dot3StatsMultipleCollisionFrames | read-only | No | As per mib |
| dot3StatsSQETestErrors | read-only | No | As per mib |
| dot3StatsDeferredTransmissions | read-only | No | As per mib |
| dot3StatsLateCollisions | read-only | No | As per mib |
| dot3StatsExcessiveCollisions | read-only | No | As per mib |
| dot3StatsInternalMacTransmitErrors | read-only | No | As per mib |
| dot3StatsCarrierSenseErrors | read-only | No | As per mib |
| dot3StatsFrameTooLongs | read-only | No | As per mib |
| dot3StatsInternalMacReceiveErrors | read-only | No | As per mib |
| dot3StatsetherChipSet | read-only | No | As per mib |
| dot3StatsSymbolErrors | read-only | No | As per mib |
| dot3StatsDuplexStatus | read-only | No | As per mib |

# RFC2668-MAU MIB

Only the ifMauTable, ifJackTable, and ifAutoNegTable are supported from this MIB. The repeater specific tables and the traps are not supported. The deprecated objects within these tables are not supported.

## dot3IfMauBasic Group

### ifMauTable

This table is partially supported by LUNDY.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| ifMauIfIndex | n/a | No | As per mib. |
| ifMauIndex | n/a | No | As per mib. |
| ifMauType | read-only | No | As per mib. |
| ifMauMediaAvailableStateExits | read-only | No | As per mib. |
| ifMauJabberingStateEnters | read-only | No | As per mib. |
| ifMauFalseCarriers | read-only | No | As per mib. |
| ifMauTypeList | read-only | No | As per mib. |
| ifMauDefaultType | read-write | No | Now only support read operation |
| ifMauAutoNegSupported | read-only | No | As per mib. |
| ifMauTypeListBits | read-only | No | As per mib. |

### ifJackTable

This table is not supported.

## dot3IfMauAutoNeg Group

### ifMauAutoNegTable

This table is partially supported by LUNDY.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| IfMauAutoNegAdminStatus | read-write | Yes | All set requests will return badValue error |
| ifMauAutoNegCapabilityBits | read-only | No | As per mib |

# RFC2737-ENTITY-MIB

## entity mib-RFC2737

### entityPhysicalTable { entityPhysical 1 }

There the entPhysicalIndex is the value of all kinds of objects in the entityPhysicalTable.

The objects contained in the Entity MIB are:

other(CPU,1), chassis(3), container(5), powerSupply(6), fan(7), sensor(8), module(9),port(10).

The module there we refer to is board and the port is on the board. The module value or the port value can be obtained analogous to container value.

#### entPhysicalIndex

We can get the specified object value from the entPhysicalIndex according to the allocation method described below, such as slot number, port number, etc.

Container is a roomage-continual entity, also a module itself is also a container, because ports are contained in it.

The maximum of entities for specific class in a router:

|  |  |
| --- | --- |
| All entities in a router | MAX Number |
| chassis | 1 per router |
| Container( Level1) | 16 per router |
| module | 10 per router |
| Other(CPU) | 1 per router |
| PowerSupply | 2 per router |
| Fan | 2 per router |
| Container( Level2) | 10 per router |
| Port | 16 per module |

In above list, ContainerLevel1 contains moudle, cpu, powersupplys and fans. ContainerLevel2 contains ports.

To find out the position of a port, first determine the value of entPhysicalContainedIn. For different port positions, this will be:

A chassis (for a port situated on the chassis)

A module (for a port situated on the module)

Algorithm for calculating entPhysicalIndexis as follows referring to list above:

1. All entities numbered in sequence of Chassis->ContainerLevel1->CPU->PowerSupply->Fan->Sensor->Moudle->ContainerLevel2->Port.
2. The chassis index is 1.
3. All entities belong to a container should be numbered sequencely.
4. All entities with the same entPhysicalClass value are numbered in sequence before other entities with different entPhysicalClass value are numbered except for container. Containers in router are split to Container Level1 and Container Level2, their entPhysicalIndexare not continuous.

**EntPhysicalIndex Design**:

1. For the chassis: its index is 1;

2. For the No.x of L1 container, its index is 1+ x;

3. For the CPU, its index is 1+MAX\_L1\_CONTAINER+1;

4. For the first power, its index is 1+ MAX\_L1\_CONTAINER+MAX\_CPU+1;

5. For the first Fan, its index is 1 + MAX\_L1\_CONTAINER+MAX\_CPU + MAX\_POWER + 1

6. For the first Sensor, its index is 1 + MAX\_L1\_CONTAINER+MAX\_CPU + MAX\_POWER+ MAX\_FAN + 1

7. For the first module, its index is 1+MAX\_L1\_CONTAINER+MAX\_CPU+MAX\_POWER+MAX\_FAN+MAX\_SENSOR+1;

8. For the No.y port of Moudle No.x, its index is 1+MAX\_L1\_CONTAINER+MAX\_CPU+MAX\_POWER+MAX\_FAN+MAX\_SENSOR+MAX\_MOUDLE (x-1)\*MAX\_PORT\_PER\_MOUDLE +y;

For routers, Number of different entities are defined as below:

MAX\_CHASSIS = 1

MAX\_L1\_CONTAINER = 16

MAX\_CPU = 1

MAX\_POWER = 2

MAX\_FAN = 2

MAX\_SENSOR = 1

MAX\_MOUDLE = 10

MAX\_PORT\_PER\_SLOT = 16

Note: The first module entity index is reserved for RPU slot only.

#### entPhysicalParentRelPos

Algorithm for calculating entPhysicalParentRelPos:

1. When calculating the relative position of an entity between its siblings, it is assumed that EntPhysicalIndex of this entity is already known.
2. The entPhysicalParentRelPos presents the relative position for current entity and it’s leftmost opposite one as demonstrated below:



#### entPhysicalContainedIn

The physical table has a row for each identifiable physical entity. As a minimum, each removable component, each physical port and each component with a 3C# must have an entry in the table, but other components may also be represented. Entities are organised in a hierarchy as defined by the value of entPhysicalContainedIn and one of the hierarchies below must be used.

##### Hierarchy 1 – Simple Fixed Config

For simple, fixed configuration devices, all of the ports must be containedIn the top level chassis entry e.g.

3Com Router xyz (chassis)

ADSL Port (port)

10/100 port (port)

where the text is the entPhysicalDescr, the value in brackets is the entPhysicalClass and the indentation represents the entPhysicalContainedIn value i.e. each entity is “containedIn” the entity at the next level out.

##### Hierarchy 2 – Complex Fixed Config

For more complex fixed config devices with identifiable sub-modules a module entity can be introduced e.g.

3Com Router xyz (chassis)

2-port ADSL (module)

ADSL Port (port)

ADSL Port (port)

2-port 10/100 (module)

10/100 port (port)

##### Hierarchy 3 - Modular

For devices with removable modules, each slot must be modelled as a container with a module and port entry contained in it. Other removable entities such as fans and redundant power supplies should me modelled using a container for each slot. The Descr of the container must relate to the any numbering used on the device e.g. for a device with 4 removable modules numbered 0-3 with the first 2 slots occupied and with power supply slots should look like this:

3Com Router xyz (chassis)

Container for module at slot #0

2-port ADSL (module)

ADSL Port (port)

ADSL Port (port)

Container for module at slot #1

2-port 10/100 (module)

10/100 port (port)

10/100 port (port)

Container for module at slot #2

Container for module at slot #3

Container for Power Supply #1

Power Supply #1 (powerSupply)

Container for Power Supply #2

Power Supply #2 (powerSupply)

Container for Fan(s)

System Fan #1 (fan)

System Fan #2 (fan)

##### Hierarchy 4 – Stack with sub-modules

For switches which are stackable and (may) have sub-modules, the chassis is contained in a stack and the ports are contained in the sub-module. For example:

3Com XRN Fabric (stack)

3Com SuperStack™ 4 Switch 5500 (chassis)

Container for Logical Board #0

Container for sub-modules on logical board at slot #0...n

1-Port 10G Module (module)

10G port (port)

#### entPhysicalModelName

This must be the 3Com part number (3C#) for all entities (such as chassis, modules, fans, power supplies etc.) which have such a number. Please refer to sec 22.2 for details.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entPhysicalIndex | not-accessible | N/A | As per mib |
| entPhysicalDescr | read-only | N/A | This will be revised by 3COM’s specification. |
| entPhysicalVendorType | read-only | N/A | All the vendor types are listed in A3COM-HUAWEI-ENTITY-VENDORTYPE-OID-MIB. |
| entPhysicalContainedIn | read-only | N/A | As per mib |
| entPhysicalClass | read-only | N/A | As per mib |
| entPhysicalParentRelPos | read-only | N/A | As per mib |
| entPhysicalName | read-only | N/A | As per mib |
| entPhysicalHardwareRev | read-only | N/A | As per mib |
| entPhysicalFirmwareRev | read-only | N/A | As per mib |
| entPhysicalSoftwareRev | read-only | N/A | As per mib |
| entPhysicalSerialNum | read-write | N/A | Now only chassis is implemented, and it’s read-only |
| entPhysicalMfgName | read-only | N/A | As per mib |
| entPhysicalModelName | read-only | N/A | As per mib |
| entPhysicalAlias | read-write | N/A | As per mib |
| entPhysicalAssetID | read-write | N/A | As per mib |
| entPhysicalIsFRU | read-only | N/A | Module is a FRU entity.  Container and ports are not FRU. |

### entLogicalTable { entityLogical 1 }

This table is not supported now.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entLogicalIndex | not-accessible | N/A | As per mib. |
| entLogicalDescr | read-only | N/A | As per mib. |
| entLogicalType | read-only | N/A | As per mib. |
| entLogicalCommunity | read-only | N/A | As per mib. |
| entLogicalTAddress | read-only | N/A | As per mib. |
| entLogicalTDomain | read-only | N/A | As per mib. |
| entLogicalContextEngineID | read-only | N/A | As per mib. |
| entLogicalContextName | read-only | N/A | As per mib. |

### entLPMappingTable { entityMapping 1 }

This table is not supported now.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entLPPhysicalIndex | read-only | N/A | As per mib. |

### entPhysicalContainsTable { entityMapping 3 }

Introduction: The input is the pair of ulEntPhysicalIndex and ulEntPhysicalChildIndex, the output is one pair of ulEntPhysicalIndex and ulEntPhysicalChildIndex.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entPhysicalChildIndex | read-only | N/A | As per mib. |

### entAliasMappingEntry { entityMapping 3 }

Introduction: this table will be applied to ports. The input is the EntPhysicalIndex of port, the output is the ifIndex of port.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entAliasLogicalIndexOrZero | not-accessible | N/A | As per mib. |
| entAliasMappingIdentifier | read-only | N/A | As per mib. |

### entityGeneral { entityMIBObjects 4 }

This table is not supported now.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| entLastChangeTime | read-only | N/A | In current design, the LastChangeTime on the master unit will be returned to network management(not support now, and it is to be fixed.) |

**NOTE:**

If a change takes place and above tables are updated(e.g unit ID change, board plug in/out etc.), the device will send a trap to NMS notifying an update of the tables.

## SIC, MIM and FIC Cards Supported by Lundy

This table describes the SIC, MIM and FIC Cards Supported by Lundy and the VendorTypeOID value for each of these modules. These VendorTypeOIDs are defined in a3com-huawei-entity-vendortype-oid.mib.

|  |  |  |  |
| --- | --- | --- | --- |
| Product | 3C# | MIB name | MIB value |
| 1-Port 10/100M Ethernet Electrical Interface Module(RJ45) | 3C13712 | h3cevtModuleRt-Sic-1fe | 34 |
| 1-Port Serial SIC | 3C13714 | h3cevtModuleRt-Sic-1sa | 35 |
| 1-Port Enhanced Synchronous/Asynchronous Serial Interface Card | 3C13715 | h3cevtModuleRt-Fix-1sae | 116 |
| 2-Port ISDN BRI S/T Interface Card | 3C13716 | h3cevtModuleRt-Sic-2bs | 42 |
| 2-Port ISDN BRI U Interface Card | 3C13718 | h3cevtModuleRt-Sic-2bu | 40 |
| 1-Port T1 & Fractional T1 Interface Module | 3C13720 | h3cevtModuleRt-T11-f | 68 |
| 1-Port T1 & Fractional T1 Interface Module | 3C13720A | h3cevtModuleRt-T11-f | 68 |
| 1-Port E1 & Fractional E1 Interface Module | 3C13722 | h3cevtModuleRt-E11-f | 65 |
| 1-Port Analog Modem Interface Card | 3C13724 | h3cevtModuleRt-Sic-1am | 43 |
| 1-Port Subscribe Circuit Interface Voice Processing Module | 3C13725 | h3cevtModuleRt-sic-1vifxs | 126 |
| 2-Port Subscribe Circuit Interface Voice Processing Module | 3C13726 | h3cevtModuleRt-sic-2vifxs | 128 |
| 1-Port Loop Trunk Voice Processing Interface Module | 3C13727 | h3cevtModuleRt-sic-1vifxo | 127 |
| 2-Port Loop Trunk Voice Processing Interface Module | 3C13728 | h3cevtModuleRt-sic-2vifxo | 129 |
| 2-Port 10/100M Ethernet Electrical Interface Module(RJ45) | 3C13761 | h3cevtModuleRt-Fe2 | 9 |
| 2-Port Enhanced Synchronous/Asynchronous Interface Module | 3C13762 | h3cevtModuleRt-Sae2 | 80 |
| 4 Port Sync/Async Serial Module | 3C13763 | h3cevtModuleRt-Sa | 3 |
| 4-Port Enhanced Synchronous/Asynchronous Interface Module | 3C13764 | h3cevtModuleRt-Sae4 | 79 |
| 2-Port cE1/PRI Interface Module | 3C13765 | h3cevtModuleRt-E14 | 6 |
| 4-Port cE1/PRI Interface Module | 3C13766 | h3cevtModuleRt-Fe1 | 7 |
| 4-Port ISDN BRI S/T Interface Module | 3C13767 | h3cevtModuleRt-Bi | 4 |
| 2-Port cT1/PRI Interface Module | 3C13769 | h3cevtModuleRt-T12 | 54 |
| 2-Port CT1/PRI Interface Module | 3C13769A | h3cevtModuleRt-T12 | 54 |
| 1-Port ADSL over POTS Interface Module | 3C13770 | h3cevtModuleRt-Atmadsl1 | 74 |
| 2-Port ADSL over POTS Interface Module | 3C13772 | h3cevtModuleRt-Atmadsl2 | 75 |
| 1-Port 1000M Ethernet Electrical Interface Board(RJ45) | 3C13774 | h3cevtModuleRt-Ge1 | 101 |
| Single-port T3/CT3 Compatible Interface Module | 3C13775 | h3cevtModuleRt-Rtb21ct3 | 73 |
| 1-Port FT3/CT3 Compatible Interface Module | 3C13775A | h3cevtModuleRt-ft3 | 158 |
| 1-port E3/CE3 Compatible Intertface Card Module | 3C13777 | h3cevtModuleRt-Rtb21ce3 | 59 |
| 4-Port E1 IMA Interface Module(120ohm) | 3C13778 | h3cevtModuleRt-ima-4e1120 | 136 |
| 4-Port T1 IMA Interface Module | 3C13779 | h3cevtModuleRt-ima-4t1 | 138 |
| 2-Port Voice Processing Board Subscriber Circuit Interface Module | 3C13780 | h3cevtModuleRt-Fxs2 | 19 |
| 4-Port Voice Processing Board Subscriber Circuit Interface Module | 3C13781 | h3cevtModuleRt-Fxs4 | 22 |
| 2-Port Voice Processing Board Loop Trunk Interface Module | 3C13783 | h3cevtModuleRt-Fxo2 | 20 |
| 4-Port Voice Processing Board Loop Trunk Interface Module | 3C13784 | h3cevtModuleRt-Fxo4 | 23 |
| 2-Port Voice Processing Board E&M Trunk Interface Module | 3C13785 | h3cevtModuleRt-Em2 | 21 |
| 4-Port Voice Processing Board E&M Trunk Interface Module | 3C13786 | h3cevtModuleRt-Em4 | 24 |
| 1-Port E1 Voice Module | 3C13787 | h3cevtModuleRt-E1vi | 26 |
| 1-Port Voice Interface Module(T1 Interface) | 3C13788 | h3cevtModuleRt-T1vi | 56 |
| Router 6000 Enhanced Router Process Unit(512M, 2GBE, 1GEF) | 3C13805 | h3cevtModuleRt-ERPU | 163 |
| 4-Port T1 & Fractional T1 Interface Module | 3C13821 | h3cevtModuleRt-T14-f | 70 |
| 4-Port T1 & Fractional T1 Interface Module | 3C13821A | h3cevtModuleRt-T14-f | 70 |
| 4-Port E1 & Fractional E1 Interface Module | 3C13823 | h3cevtModuleRt-E14-f | 67 |
| 1-Port 100M Ethernet Multi-mode Optical Interface Module (1310nm,2km, SC) | 3C13860 | h3cevtModuleRt-Fe1op-mfx | 110 |
| 2-Port 10/100M Ethernet Electrical Interface Module(RJ45) | 3C13861 | h3cevtModuleRt-Fe2 | 9 |
| 1-Port 100M Ethernet Single Mode Optical Interface Module (1310nm,15km, SC) | 3C13862 | h3cevtModuleRt-Fe1op-sfx | 109 |
| 4-Port Enhanced Synchronous/Asynchronous Interface Module | 3C13863 | h3cevtModuleRt-Sae4 | 79 |
| 8-Port Enhanced Synchronous/Asynchronous Interface Module | 3C13864 | h3cevtModuleRt-Ase8 | 77 |
| Router 6000,4-Port ISDN-S/T Interface Module | 3C13865 | h3cevtModuleRt-bs4 | 132 |
| 4-Port cE1/PRI Interface Module | 3C13866 | h3cevtModuleRt-Fe1 | 7 |
| Router 6000,8-Port E1 Interface Module(120ohm) | 3C13867 | h3cevtModuleRt-ima-8e1120 | 134 |
| 4-Port cT1/PRI Interface Module | 3C13870 | h3cevtModuleRt-T14 | 55 |
| 4-Port CT1/PRI Interface Module | 3C13870A | h3cevtModuleRt-T14 | 55 |
| 1-Port ADSL over POTS Interface Module | 3C13871 | h3cevtModuleRt-Atmadsl1 | 74 |
| 2-Port ADSL over POTS Interface Module | 3C13872 | h3cevtModuleRt-Atmadsl2 | 75 |
| 4-Port E1 IMA Interface Module(120ohm) | 3C13874 | h3cevtModuleRt-ima-4e1120 | 136 |
| 4-Port T1 IMA Interface Module | 3C13875 | h3cevtModuleRt-ima-4t1 | 138 |
| 1-Port ATM over E3 Interface Module | 3C13876 | h3cevtModuleRt-Atme3 | 94 |
| 1-Port ATM over T3 Interface Module | 3C13877 | h3cevtModuleRt-Atmt3 | 95 |
| 2-Port Channelized E3 Interface Module | 3C13878 | h3cevtModuleRt-ce32 | 159 |
| 1-port 1000 Base-F Optical Interface Module (SFP, LC) | 3C13879 | h3cevtModuleRt-Ge1op | 112 |
| 1-Port Packet over SDH/Sonet Interface Module | 3C13881 | h3cevtModuleRt-Pos155m | 102 |
| 1-Port ATM/155M Multimode Interface Module(SC) | 3C13882 | h3cevtModuleRt-Atm155m-mm | 106 |
| 1-Port ATM/155M Singlemode Interface Module(1310nm,15km, SC) | 3C13884 | h3cevtModuleRt-Atm155m-sm | 107 |
| 1-Port ATM/155M Singlemode Long Reach Interface Module(1310nm,30km, SC) | 3C13886 | h3cevtModuleRt-Atm155m-sml | 108 |
| 1-Port 1000M Ethernet Electrical Interface Module(RJ45) | 3C13887 | h3cevtModuleRt-Ge1 | 101 |
| 1-port E3/CE3 Compatible Intertface Module | 3C13888 | h3cevtModuleRt-Rtb21ce3 | 59 |
| 1-port T3/CT3 Compatible Interface Module | 3C13889 | h3cevtModuleRt-Rtb21ct3 | 73 |
| 1-Port FT3/CT3 Compatible Interface Module | 3C13889A | h3cevtModuleRt-ft3 | 158 |
| 2-Port Voice Processing Board Subscriber Circuit Interface Module | 3C13890 | h3cevtModuleRt-Fxs2 | 19 |
| 4-Port Voice Processing Board Subscriber Circuit Interface Module | 3C13891 | h3cevtModuleRt-Fxs4 | 22 |
| 2-Port Voice Processing Board Loop Trunk Interface Module | 3C13893 | h3cevtModuleRt-Fxo2 | 20 |
| 4-Port Voice Processing Board Loop Trunk Interface Module | 3C13894 | h3cevtModuleRt-Fxo4 | 23 |
| 2-Port Voice Processing Board E&M Trunk Interface Module | 3C13895 | h3cevtModuleRt-Em2 | 21 |
| 4-Port Voice Processing Board E&M Trunk Interface Module | 3C13896 | h3cevtModuleRt-Em4 | 24 |
| 1-Port Voice Interface Module(E1 Interface) | 3C13897 | h3cevtModuleRt-E1vi | 26 |
| 1-Port Voice Interface Module(T1 Interface) | 3C13898 | h3cevtModuleRt-T1vi | 56 |
| 2-Port E1 Voice Processing FIC Interface Module | 3C13899 | h3cevtModuleRt-e1vi2 | 226 |
| Network Data Encryption Card | 3CR13771-75 | h3cevtModuleRt-Ndec | 29 |
| Network Data Encryption Module | 3CR13773-75 | h3cevtModuleRt-Cavium | 117 |
| Embedded Network Data Encryption Module | 3CR13806-75 | h3cevtModuleRt-Cavium | 117 |
| Network Data Encryption Module | 3CR13873-75 | h3cevtModuleRt-Cavium | 117 |

# RFC2787-VRRP-MIB

## vrrpOperations Group

### Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpNodeVersion | read-only | No | As per mib |
| vrrpNotificationCntl | read-only | No | As per mib |
| vrrpTrapPacketSrc | accessible-for-notify | No | As per mib |
| vrrpTrapAuthErrorType | accessible-for-notify | No | As per mib |

### vrrpOperTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpOperVrId | not-accessible | Yes | As per mib |
| vrrpOperVirtualMacAddr | read-only | No | As per mib |
| vrrpOperState | read-only | No | As per mib |
| vrrpOperAdminState | read-only | No | As per mib |
| vrrpOperPriority | read-only | Yes | As per mib |
| vrrpOperIpAddrCount | read-only | No | As per mib |
| vrrpOperMasterIpAddr | read-only | Yes | As per mib |
| vrrpOperPrimaryIpAddr | read-only | Yes | As per mib |
| vrrpOperAuthType | read-only | Yes | As per mib |
| vrrpOperAuthKey | read-only | Yes | As per mib |
| vrrpOperAdvertisementInterval | read-only | Yes | As per mib |
| vrrpOperPreemptMode | read-only | Yes | As per mib |
| vrrpOperVirtualRouterUpTime | read-only | No | As per mib |
| vrrpOperProtocol | read-only | No | As per mib |
| vrrpOperRowStatus | read-only | No | As per mib |

### vrrpAssoIpAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpAssoIpAddr | not-accessible | No | As per mib |
| vrrpAssoIpAddrRowStatus | read-only | No | As per mib |

## vrrpStatistics Group

### Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpRouterChecksumErrors | read-only | No | As per mib |
| vrrpRouterVersionErrors | read-only | No | As per mib |
| vrrpRouterVrIdErrors | read-only | No | As per mib |

### vrrpRouterStatsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| vrrpStatsBecomeMaster | read-only | No | As per mib |
| vrrpStatsAdvertiseRcvd | read-only | No | As per mib |
| vrrpStatsAdvertiseIntervalErrors | read-only | No | As per mib |
| vrrpStatsAuthFailures | read-only | No | As per mib |
| vrrpStatsIpTtlErrors | read-only | No | As per mib |
| vrrpStatsPriorityZeroPktsRcvd | read-only | No | As per mib |
| vrrpStatsPriorityZeroPktsSent | read-only | No | As per mib |
| vrrpStatsInvalidTypePktsRcvd | read-only | No | As per mib |
| vrrpStatsAddressListErrors | read-only | No | As per mib |
| vrrpStatsInvalidAuthType | read-only | No | As per mib |
| vrrpStatsAuthTypeMismatch | read-only | No | As per mib |
| vrrpStatsPacketLengthErrors | read-only | No | As per mib |

# RFC2819-RMON-MIB

## rmonEventsV2

Remote Network Monitoring Traps

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| risingAlarm | N/A | No | As per mib |
| fallingAlarm | N/A | No | As per mib |

## etherStatsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherStatsIndex | read-only | No | As per mib |
| etherStatsDataSource | read-create | No | As per mib |
| etherStatsDropEvents | read-only | No | As per mib |
| etherStatsOctets | read-only | No | As per mib |
| etherStatsPkts | read-only | No | As per mib |
| etherStatsBroadcastPkts | read-only | No | As per mib |
| etherStatsMulticastPkts | read-only | No | As per mib |
| etherStatsCRCAlignErrors | read-only | No | As per mib |
| etherStatsUndersizePkts | read-only | No | As per mib |
| etherStatsOversizePkts | read-only | No | The total number of packets received that were longer than 1700 octets (excluding framing bits, but including FCS octets) and were otherwise well formed |
| etherStatsFragments | read-only | No | As per mib |
| etherStatsJabbers | read-only | No | As per mib |
| etherStatsCollisions | read-only | No | As per mib |
| etherStatsPkts64Octets | read-only | No | As per mib |
| etherStatsPkts65to127Octets | read-only | No | As per mib |
| etherStatsPkts128to255Octets | read-only | No | As per mib |
| etherStatsPkts256to511Octets | read-only | No | As per mib |
| etherStatsPkts512to1023Octets | read-only | No | As per mib |
| etherStatsPkts1024to1518Octets | read-only | No | As per mib |
| etherStatsOwner | read-create | No | As per mib |
| etherStatsStatus | read-create | No | As per mib |

## historyControlTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| historyControlIndex | read-only | No | As per mib |
| historyControlDataSource | read-create | No | As per mib |
| historyControlBucketsRequested | read-create | No | Our software only supports 10 buckets at maximum currently, If a value more than 10 is input, our software will return success, but the historyControlBucketGranted will be assigned to 10 as for implementation. |
| historyControlBucketsGranted | read-only | No | Our software only supports 10 buckets at maximum currently |
| historyControlInterval | read-create | No | The value from 5 to 3600 is supported |
| historyControlOwner | read-create | No | As per mib |
| historyControlStatus | read-create | No | As per mib |

## etherHistoryTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherHistoryInde | read-only | No | As per mib |
| etherHistorySampleIndex | read-only | No | As per mib |
| etherHistoryIntervalStart | read-only | No | As per mib |
| etherHistoryDropEvents | read-only | No | As per mib |
| etherHistoryOctets | read-only | No | As per mib |
| etherHistoryPkts | read-only | No | As per mib |
| etherHistoryBroadcastPkts | read-only | No | As per mib |
| etherHistoryMulticastPkts | read-only | No | As per mib |
| etherHistoryCRCAlignErrors | read-only | No | As per mib |
| etherHistoryUndersizePkts | read-only | No | As per mib |
| etherHistoryOversizePkts | read-only | No | As per mib |
| etherHistoryFragments | read-only | No | As per mib |
| etherHistoryJabbers | read-only | No | As per mib |
| etherHistoryCollisions | read-only | No | As per mib |
| etherHistoryUtilization | read-only | No | As per mib |

## alarmTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| alarmIndex | read-only | No | As per mib |
| alarmInterval | read-create | No | As per mib |
| alarmVariable | read-create | No | As per mib |
| alarmSampleType | read-create | No | As per mib |
| alarmValue | read-only | No | When the value of the alarmValue out of the range of alarmValue, the value of alarmValue will be a negative. |
| alarmStartupAlarm | read-create | No | As per mib |
| alarmRisingThreshold | read-create | No | As per mib |
| alarmFallingThreshold | read-create | No | As per mib |
| alarmRisingEventIndex | read-create | No | As per mib |
| alarmFallingEventIndex | read-create | No | As per mib |
| alarmOwner | read-create | No | As per mib |
| alarmStatus | read-create | No | As per mib |

## eventTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| eventIndex | read-only | No | As per mib |
| eventDescription | read-create | No | As per mib |
| eventType | read-create | No | As per mib |
| eventCommunity | read-create | No | Not supported. When eventType is none(1) or log(2), the value of eventCommunity will not be saved; when eventType is snmptrap(3) or logandtrap(4), the value of eventCommunity will be saved but can take no effect. |
| eventLastTimeSent | read-only | No | As per mib |
| eventOwner | read-create | No | As per mib |
| eventStatus | read-create | No | As per mib |

## logTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| logEventIndex | read-only | No | As per mib |
| logIndex | read-only | No | As per mib |
| logTime | read-only | No | As per mib |
| logDescription | read-only | No | As per mib |

# RFC2856-HCNUM-TC

As per mib

# RFC2925-DISMAN-PING-MIB

## pingNotifications { pingMIB 0 }

### pingMaxConcurrentRequests

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| pingMaxConcurrentRequests | read-write | Yes | The Max number of HWPing agent tasks that are running at one time. The number of concurrent active ping requests is form 1 to 5.The maximum number of concurrent active ping requests is 5. |

## pingObjects { pingMIB 1 }

### pingCtlTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| PingCtlOwnerIndex | not-accessible | Yes | As per mib.( Administrator name) |
| pingCtlTestName | not-accessible | Yes | Aggregated link Description.(HWPing test name) |
| pingCtlTargetAddressTyp | read-create | Yes | As per mib.  IN router product, The type of host address must be IPV4, it is 1. |
| pingCtlTargetAddress | read-create | Yes | As per mib. |
| pingCtlDataSize | read-create | Yes | The range of pingCtlDataSize is[0,8100] |
| pingCtlTimeOut | read-create | Yes | As per mib. |
| pingCtlProbeCount | read-create | Yes | As per mib. |
| pingCtlAdminStatus | read-create | Yes | As per mib. |
| pingCtlDataFill | read-create | Yes | The range of pingCtlDataFill's length is[0,230] |
| pingCtlFrequency | read-create | Yes | As per mib.  In router products, The number of seconds to wait before repeating a ping test is between 0 and 65535 seconds. |
| pingCtlMaxRows | read-create | Yes | The range of pingCtlMaxRows is[0,50] |
| pingCtlStorageType | read-create | Yes | Now only support read operation |
| pingCtlTrapGeneration | read-create | Yes | As per mib. |
| pingCtlTrapProbeFailureFilter | read-create | Yes | As per mib. |
| pingCtlTrapTestFailureFilter | read-create | Yes | As per mib. |
| pingCtlType | read-create | Yes | As per mib. |
| pingCtlDescr | read-create | Yes | As per mib. |
| pingCtlSourceAddressType | read-create | Yes | As per mib. |
| pingCtlSourceAddress | read-create | Yes | As per mib. |
| pingCtlIfIndex | read-create | Yes | As per mib. |
| pingCtlByPassRouteTable | read-create | Yes | As per mib. |
| PingCtlDSField | read-create | Yes | As per mib. |
| pingCtlRowStatus | read-create | No | As per mib. |

### pingResultsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| PingResultsOperStatus | read-only | No | As per mib |
| PingResultsIpTargetAddressType | read-only | No | As per mib |
| PingResultsIpTargetAddress | read-only | No | As per mib |
| PingResultsMinRtt | read-only | No | As per mib |
| PingResultsMaxRtt | read-only | No | As per mib |
| PingResultsAverageRtt | read-only | No | As per mib |
| PingResultsProbeResponses | read-only | No | As per mib |
| PingResultsSentProbes | read-only | No | As per mib |
| PingResultsRttSumOfSquares | read-only | No | As per mib |
| PingResultsLastGoodProbe | read-only | No | As per mib |
| PingResultsOperStatus | read-only | No | As per mib |
| pingResultsIpTargetAddressType | read-only | No | As per mib |

### pingProbeHistoryTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| PingProbeHistoryIndex | not-accessible | No | As per mib |
| PingProbeHistoryResponse | read-only | No | As per mib |
| PingProbeHistoryStatus | read-only | No | As per mib |
| PingProbeHistoryLastRC | read-only | No | As per mib |
| PingProbeHistoryTime | read-only | No | As per mib |
| PingProbeHistoryIndex | not-accessible | No | As per mib |
| pingProbeHistoryResponse | read-only | No | As per mib |

# RFC3273-HC-RMON-MIB

Only support the following HC-RMON groups:

etherStatsHighCapacityGroup(includes etherStatsHighCapacityTable)

## etherHistoryHighCapacityGroup(includes etherHistoryHighCapacityTable)

### etherStatsHighCapacityTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherStatsHighCapacityOverflowPkts | read-only | No | As per mib |
| etherStatsHighCapacityPkts | read-only | No | As per mib |
| etherStatsHighCapacityOverflowOctets | read-only | No | As per mib |
| etherStatsHighCapacityOctets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts64Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts64Octets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts65to127Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts65to127Octets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts128to255Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts128to255Octets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts256to511Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts256to511Octets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts512to1023Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts512to1023Octets | read-only | No | As per mib |
| etherStatsHighCapacityOverflowPkts1024to1518Octets | read-only | No | As per mib |
| etherStatsHighCapacityPkts1024to1518Octets | read-only | No | As per mib |

### etherHistoryHighCapacityTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| etherHistoryHighCapacityOverflowPkts | read-only | No | As per mib |
| etherHistoryHighCapacityPkts | read-only | No | As per mib |
| etherHistoryHighCapacityOverflowOctets | read-only | No | As per mib |
| etherHistoryHighCapacityOctets | read-only | No | As per mib |

# RFC3291-INET-ADDRESS-MIB

As per mib

# IS-IS mib

## isisSystem

### isisSysTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSysInstance | not-accessible | No | As per mib |
| isisSysVersion | read-only | Yes | As per mib |
| isisSysType | read-write | Yes | Now only support read operation |
| isisSysID | read-create | Yes | Now only support read operation |
| isisSysMaxPathSplits | read-write | No | Now only support read operation |
| isisSysMaxLSPGenInt | read-write | Yes | Now only support read operation |
| isisSysOrigL1LSPBuffSize | read-write | Yes | Now only support read operation |
| isisSysMaxAreaAddresses | read-write | Yes | Now only support read operation |
| isisSysMinL1LSPGenInt | read-write | Yes | Now only support read operation |
| isisSysMinL2LSPGenInt | read-write | Yes | Now only support read operation |
| isisSysPollESHelloRate | read-write | No | Not supported |
| isisSysWaitTime | read-write | No | Now only support read operation |
| isisSysOperState | read-write | No | Now only support read operation |
| isisSysL1State | read-only | No | As per mib |
| isisSysCorrLSPs | read-only | No | Not supported |
| isisSysLSPL1DbaseOloads | read-only | No | Not supported |
| isisSysManAddrDropFromAreas | read-only | No | Not supported |
| isisSysAttmptToExMaxSeqNums | read-only | No | Not supported |
| isisSysSeqNumSkips | read-only | No | Not supported |
| isisSysOwnLSPPurges | read-only | No | Not supported |
| isisSysIDFieldLenMismatches | read-only | No | Not supported |
| isisSysMaxAreaAddrMismatches | read-only | No | Not supported |
| isisSysOrigL2LSPBuffSize | read-write | Yes | As per mib |
| isisSysL2State | read-only | No | As per mib |
| isisSysLSPL2DbaseOloads | read-only | No | Not supported |
| isisSysAuthAreaType | read-write | No | Now only support read operation |
| isisSysAuthAreaTransPwd | read-write | Yes | Now only support read operation |
| isisSysAuthDomainType | read-write | No | Now only support read operation |
| isisSysAuthDomainTransPwd | read-write | Yes | Now only support read operation |
| isisSysAuthFails | read-only | No | Not supported |
| isisSysLSPIgnoreErrors | read-write | Yes | Now only support read operation |
| isisSysLogAdjacencyChanges | read-write | No | Now only support read operation |
| isisSysPartChanges | read-only | No | Not supported |
| isisSysMaxAreaCheck | read-write | No | Now only support read operation |
| isisSysNextCircIndex | read-write | No | Now only support read operation |
| isisSysExistState | read-write | No | Now only support read operation |

### isisManAreaAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisManAreaAddrSysInstance | not-accessible | No | As per mib |
| isisManAreaAddr | not-accessible | No | As per mib |
| isisManAreaAddrExistState | read-create | No | Now only support read operation |

### isisAreaAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisAreaAddrSysInstance | not-accessible | No | As per mib |
| isisAreaAddr | read-write | Yes | Now only support read operation |

### isisSysProtSuppTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisSysProtSuppSysInstance | not-accessible | No | As per mib |
| isisSysProtSuppProtocol | not-accessible | No | As per mib |
| isisSysProtSuppExistState | read-write | No | Now only support read operation |

### isisL2SummAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisL2SummAddrSysInstance | not-accessible | No | As per mib |
| isisL2SummAddress | not-accessible | No | As per mib |
| isisL2SummAddrMask | not-accessible | No | As per mib |
| isisL2SummAddrExistState | read-create | No | Now only support read operation |
| isisL2SummAddrOperState | read-create | No | Now only support read operation |
| isisL2SummAddrDefaultMetric | read-create | No | Not supported（The value which get is 0） |
| isisL2SummAddrDelayMetric | read-create | No | Not supported（The value which get is 0） |
| isisL2SummAddrExpenseMetric | read-create | No | Not supported（The value which get is 0） |
| isisL2SummAddrErrorMetric | read-create | No | Not supported（The value which get is 0） |

## isisCirc

### isisCircTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisCircSysInstance | not-accessible | No | As per mib |
| isisCircIndex | not-accessible | No | As per mib |
| isisCircIfIndex | read-write | Yes | Now only support read operation |
| isisCircIfSubIndex | read-only | Yes | Not supported |
| isisCircLocalID | read-only | Yes | As per mib |
| isisCircOperState | read-write | No | Now only support read operation |
| isisCircExistState | read-write | No | Now only support read operation |
| isisCircType | read-write | Yes | Now only support read operation |
| isisCircL1DefaultMetric | read-write | No | Now only support read operation |
| isisCircL1DelayMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircL1ExpenseMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircL1ErrorMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircExtDomain | read-write | Yes | Now only support read operation |
| isisCircAdjChanges | read-only | No | Not supported |
| isisCircInitFails | read-only | No | Not supported |
| isisCircRejAdjs | read-only | No | Not supported |
| isisCircOutCtrlPDUs | read-only | No | Not supported |
| isisCircInCtrlPDUs | read-only | No | Not supported |
| isisCircIDFieldLenMismatches | read-only | No | Not supported |
| isisCircL2DefaultMetric | read-write | No | Now only support read operation |
| isisCircL2DelayMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircL2ExpenseMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircL2ErrorMetric | read-write | No | Not supported（The value which get is 0） |
| isisCircManL2Only | read-write | Yes | Now only support read operation |
| isisCircL1ISPriority | read-write | Yes | Now only support read operation |
| isisCircL1CircID | read-only | Yes | As per mib |
| isisCircL1DesIS | read-only | No | As per mib |
| isisCircLANL1DesISChanges | read-only | No | Not supported |
| isisCircL2ISPriority | read-write | Yes | Now only support read operation |
| isisCircL2CircID | read-only | Yes | As per mib |
| isisCircL2DesIS | read-only | No | As per mib |
| isisCircLANL2DesISChanges | read-only | No | Not supported |
| isisCircMCAddr | read-write | Yes | Now only support read operation |
| isisCircPtToPtCircID | read-only | Yes | As per mib |
| isisCircL1HelloTimer | read-write | Yes | Now only support read operation |
| isisCircL2HelloTimer | read-write | Yes | Now only support read operation |
| isisCircL1HelloMultiplier | read-write | Yes | Now only support read operation |
| isisCircL2HelloMultiplier | read-write | Yes | Now only support read operation |
| isisCircDRL1HelloTimer | read-write | Yes | Now only support read operation |
| isisCircDRL2HelloTimer | read-write | Yes | Now only support read operation |
| isisCircMinBroadLSPTransInt | read-write | Yes | Now only support read operation |
| isisCircL1MinLSPTransInt | read-write | Yes | Now only support read operation |
| isisCircL2MinLSPTransInt | read-write | Yes | Now only support read operation |
| isisCircL1CSNPInterval | read-write | Yes | Now only support read operation |
| isisCircL2CSNPInterval | read-write | Yes | Now only support read operation |
| isisCircL1PartSNPInterval | read-write | Yes | Now only support read operation |
| isisCircL2PartSNPInterval | read-write | Yes | Now only support read operation |
| isisCircLSPThrottle | read-write | Yes | Not supported |
| isisCircPassiveCircuit | read-write |  | Now only support read operation |
| isisCircMeshGroupEnabled | read-write | Yes | Now only support read operation |
| isisCircMeshGroup | read-write | Yes | Now only support read operation |
| isisCircL1AuthType | read-write | Yes | Now only support read operation |
| isisCircL1Password | read-write | Yes | Now only support read operation |
| isisCircL2AuthType | read-write | Yes | Now only support read operation |
| isisCircL2Password | read-write | Yes | Now only support read operation |
| isisCircSmallHellos | read-write | Yes | Now only support read operation |
| isisManAdjNeighNSAP | read-write | No | Now only support read operation |
| isisManAdjNeighSNPA | read-write | No | Now only support read operation |
| isisCircIPEncaps | read-write | No | Now only support read operation |
| isisCircUpTime | read-only | No | Not supported |

## isisISAdj

### isisISAdjTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjSysInstance | not-accessible | No | As per mib |
| isisISAdjCircIndex | not-accessible | No | As per mib |
| isisISAdjIndex | not-accessible | No | As per mib |
| isisISAdjState | read-only | No | As per mib |
| isisISAdjNeighSNPAAddress | read-only | No | As per mib |
| isisISAdjNeighSysType | read-only | No | As per mib |
| isisISAdjNeighSysID | read-only | No | As per mib |
| isisISAdjUsage | read-only | No | As per mib |
| isisISAdjHoldTimer | read-only | No | The value of this node is an interval, in seconds This object follows the resettingTimer behaviour. It’s not the real time update hold time of the adjacency after the adjacency receive the IIH packet |
| isisISAdjNeighPriority | read-only | No | As per mib |
| isisISAdjUpTime | read-only | No | As per mib |

**NOTE :**

isisISAdjHoldTimer

The value of this node is an interval, in seconds This object follows the resettingTimer behaviour. It’s not the real time update hold time of the adjacency after the adjacency receive the IIH packet.

### isisISAdjAreaAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjAreaAddrSysInstance | not-accessible | No | As per mib |
| isisISAdjAreaAddrCircIndex | not-accessible | No | As per mib |
| isisISAdjAreaAddrAdjIndex | not-accessible | No | As per mib |
| isisISAdjAreaAddress | read-only | No | As per mib |

### isisISAdjIPAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjIPAddrSysInstance | not-accessible | No | As per mib |
| isisISAdjIPAddrCircIndex | not-accessible | No | As per mib |
| isisISAdjIPAddrAdjIndex | not-accessible | No | As per mib |
| isisISAdjIPAddress | read-only | No | As per mib |

### isisISAdjProtSuppTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisISAdjProtSuppSysInstance | not-accessible | No | As per mib |
| isisISAdjProtSuppCircIndex | not-accessible | No | As per mib |
| isisISAdjProtSuppAdjIndex | not-accessible | No | As per mib |
| isisISAdjProtSuppProtocol | read-only | No | As per mib |

## isisIPReachAddr

### isisIPRATable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisIPRASysInstance | not-accessible | No | As per mib |
| isisIPRACircIndex | not-accessible | No | As per mib |
| isisIPRAIndex | not-accessible | No | As per mib |
| isisIPRAType | not-accessible | No | As per mib |
| isisIPRADest | read-write | No | Now only support read operation |
| isisIPRAMask | read-write | No | Now only support read operation |
| isisIPRAExistState | read-write | No | Now only support read operation |
| isisIPRAOperState | read-write | No | Now only support read operation |
| isisIPRADefMetric | read-write | No | Now only support read operation |
| isisIPRADelMetric | read-write | No | Now only support read operation |
| isisIPRAExpMetric | read-write | No | Now only support read operation |
| isisIPRAErrMetric | read-write | No | Now only support read operation |
| isisIPRADefMetricType | read-write | No | Now only support read operation |
| isisIPRADelMetricType | read-write | No | Now only support read operation |
| isisIPRAExpMetricType | read-write | No | Now only support read operation |
| isisIPRAErrMetricType | read-write | No | Now only support read operation |
| isisIPRASNPAAddress | read-write | No | Now only support read operation |

## Now only support read operation isisIPDest

### isisIPDestTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| isisIPRouteDest | not-accessible | No | As per mib |
| isisIPRouteMask | not-accessible | No | As per mib |
| isisIPRouteMetTOS | not-accessible | No | As per mib |
| isisIPRouteMetType | read-write | No | Now only support read operation |
| isisIPRouteIntMetric | read-only | No | As per mib |
| isisIPRouteExtMetric | read-only | No | As per mib |
| isisIPRouteForw | not-accessible | No | As per mib |
| isisIPRouteSource | read-only | No | As per mib |
| isisIPRouteSysInstance | read-only | No | As per mib |

# ADSL-TC-MIB

As per mib

# PerfHist-TC-MIB

As per mib

# ADSL-LINE-MIB

### adslAtucChanTable

| Name | Access | PDS | Description |
| --- | --- | --- | --- |
| adslAtucChanInterleaveDelay | read-only | Current | Not supported, always is zero |
| adslAtucChanCurrTxRate | read-only | Current | Currently downstream rate |
| adslAtucChanPrevTxRate | read-only | Current | Not supported, always is zero |
| adslAtucChanCrcBlockLength | read-only | Current | Not supported, always is zero |

### adslAturChanTable

| Name | Access | PDS | Description |
| --- | --- | --- | --- |
| adslAturChanInterleaveDelay | read-only | Current | Not supported, always is zero |
| adslAturChanCurrTxRate | read-only | Current | Currently upstream rate |
| adslAturChanPrevTxRate | read-only | Current | Not supported, always is zero |
| adslAturChanCrcBlockLength | read-only | Current | Not supported, always is zero |

# A3COM-HUAWEI-AAL5-MIB

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAal5VccVpi | not-accessible | No | As per mib |
| h3cAal5VccVci | not-accessible | No | As per mib |
| h3cAal5VccInPkts | read-only | No | As per mib |
| h3cAal5VccOutPkts | read-only | No | As per mib |
| h3cAal5VccInOctets | read-only | No | As per mib |
| h3cAal5VccOutOctets | read-only | No | As per mib |

# A3COM-HUAWEI-ACL-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclMode | read-write | Yes | Not supported |

## h3cAclNumGroupTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclNumGroupAclNum | not-accessible | Yes | Now support not-accessible |
| h3cAclNumGroupMatchOrder | read-create | Yes | As per mib |
| h3cAclNumGroupSubitemNum | read-only | Yes | As per mib |
| h3cAclNumGroupDescription | read-write | Yes | As per mib |
| h3cAclNumGroupCountClear | read-create | Yes | As per mib |
| h3cAclNumGroupRowStatus | read-create | Yes | As per mib  Now support three state: CreateAndGo, Active, Destroy. |

## h3cAclNameGroupTable

Not supported.

## h3cAclBasicRuleTable

NOTE: h3cAclBasicSrcIp and h3cAclBasicSrcWild SHOULD be set simultaneously.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclBasicAclNum | not-accessible | Yes | Now support not-accessible |
| h3cAclBasicSubitem | not-accessible | Yes | The valid range of this node is 0 to 65534 |
| h3cAclBasicAct | read-create | Yes | As per mib |
| h3cAclBasicSrcIp | read-create | Yes | As per mib |
| h3cAclBasicSrcWild | read-create | Yes | As per mib |
| h3cAclBasicTimeRangeName | read-create | Yes | As per mib |
| h3cAclBasicFragments | read-create | Yes | As per mib |
| h3cAclBasicLog | read-create | Yes | As per mib |
| h3cAclBasicEnable | read-only | Yes | As per mib |
| h3cAclBasicCount | read-only | Yes | As per mib |
| h3cAclBasicCountClear | read-create | Yes | As per mib |
| h3cAclBasicRowStatus | read-create | Yes | Now support three state: CreateAndGo, Active, Destroy. |

## h3cAclAdvancedRuleTable

NOTE: h3cAclAdvancedSrcIp and h3cAclAdvancedSrcWild SHOULD be set simultaneously;h3cAclAdvancedDestIp and h3cAclAdvancedDestWild SHOULD be set simultaneously;

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclAdvancedAclNum | not-accessible | Yes | Now support not-accessible |
| h3cAclAdvancedSubitem | not-accessible | Yes | The valid range of this node is 0 to 65534 |
| h3cAclAdvancedAct | read-create | Yes | As per mib |
| h3cAclAdvancedProtocol | read-create | Yes | As per mib |
| h3cAclAdvancedSrcIp | read-create | Yes | As per mib |
| h3cAclAdvancedSrcWild | read-create | Yes | As per mib |
| h3cAclAdvancedSrcOp | read-create | Yes | As per mib |
| h3cAclAdvancedSrcPort1 | read-create | Yes | As per mib |
| h3cAclAdvancedSrcPort2 | read-create | Yes | As per mib |
| h3cAclAdvancedDestIp | read-create | Yes | As per mib |
| h3cAclAdvancedDestWild | read-create | Yes | As per mib |
| h3cAclAdvancedDestOp | read-create | Yes | As per mib |
| h3cAclAdvancedDestPort1 | read-create | Yes | As per mib |
| h3cAclAdvancedDestPort2 | read-create | Yes | As per mib |
| h3cAclAdvancedPrecedence | read-create | Yes | As per mib |
| h3cAclAdvancedTos | read-create | Yes | As per mib |
| h3cAclAdvancedDscp | read-create | Yes | As per mib |
| h3cAclAdvancedEstablish | read-create | Yes | As per mib |
| h3cAclAdvancedTimeRangeName | read-create | Yes | As per mib |
| h3cAclAdvancedIcmpType | read-create | Yes | As per mib |
| h3cAclAdvancedIcmpCode | read-create | Yes | As per mib |
| h3cAclAdvancedFragments | read-create | Yes | As per mib |
| h3cAclAdvancedLog | read-create | Yes | As per mib |
| h3cAclAdvancedEnable | read-only | Yes | As per mib |
| h3cAclAdvancedCount | read-only | Yes | As per mib |
| h3cAclAdvancedCountClear | read-create | Yes | As per mib |
| h3cAclAdvancedRowStatus | read-create | Yes | Now support three state: CreateAndGo, Active, Destroy. |

## h3cAclIfRuleTable

NOTE: h3cAclIfAny and h3cAclIfIndex SHOULD NOT be set simultaneously

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclIfAclNum | not-accessible | Yes | Now support not-accessible |
| h3cAclIfSubitem | not-accessible | Yes | The valid range of this node is 0 to 65534 |
| h3cAclIfAct | read-create | Yes | As per mib |
| h3cAclIfIndex | read-create | Yes | As per mib |
| h3cAclIfAny | read-create | Yes | As per mib |
| h3cAclIfTimeRangeName | read-create | Yes | As per mib |
| h3cAclIfLog | read-only | Yes | As per mib |
| h3cAclIfEnable | read-only | Yes | As per mib |
| h3cAclIfCount | read-only | Yes | As per mib |
| h3cAclIfCountClear | read-create | Yes | As per mib |
| h3cAclIfRowStatus | read-create | Yes | As per mib |

## h3cAclLinkTable

NOTE:h3cAclLinkSrcAny and h3cAclLinkSrcVlanId, h3cAclLinkSrcMac, h3cAclLinkSrcIfIndex SHOULD NOT be set simultaneously; If h3cAclLinkSrcMacWild is supported, then h3cAclLinkSrcMac and h3cAclLinkSrcMacWild SHOULD be set simultaneously; h3cAclLinkDestAny and h3cAclLinkDestVlanId, h3cAclLinkDestMac, h3cAclLinkDestIfIndex SHOULD NOT be set simultaneously; If h3cAclLinkDestMacWild is supported, then h3cAclLinkDestMac and h3cAclLinkDestMacWild SHOULD be set simultaneously.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAclLinkAclNum | not-accessible | Yes | Now support not-accessible |
| h3cAclLinkSubitem | not-accessible | Yes | The valid range of this node is 0 to 65534 |
| h3cAclLinkAct | read-create | Yes | As per mib |
| h3cAclLinkProtocol | read-create | Yes | As per mib |
| h3cAclLinkFormatType | read-create | Yes | Not supported |
| h3cAclLinkVlanTag | read-create | Yes | As per mib |
| h3cAclLinkVlanPri | read-create | Yes | As per mib |
| h3cAclLinkSrcVlanId | read-create | Yes | Not supported |
| h3cAclLinkSrcMac | read-create | Yes | As per mib |
| h3cAclLinkSrcMacWild | read-create | Yes | As per mib |
| h3cAclLinkSrcIfIndex | read-create | Yes | Not supported |
| h3cAclLinkSrcAny | read-create | Yes | As per mib |
| h3cAclLinkDestVlanId | read-create | Yes | Not supported |
| h3cAclLinkDestMac | read-create | Yes | As per mib |
| h3cAclLinkDestMacWild | read-create | Yes | Destination Mac wild |
| h3cAclLinkDestIfIndex | read-create | Yes | Not supported |
| h3cAclLinkDestAny | read-create | Yes | Not supported |
| h3cAclLinkTimeRangeName | read-create | Yes | As per mib |
| h3cAclLinkEnable | read-only | Yes | As per mib |
| h3cAclLinkRowStatus | read-create | Yes | As per mib |
| h3cAclLinkTypeCode | read-create | Yes | As per mib |
| h3cAclLinkTypeMask | read-create | Yes | As per mib |
| h3cAclLinkLsapCode | read-create | Yes | As per mib |
| h3cAclLinkLsapMask | read-create | Yes | As per mib |

## h3cAclUserTable

Not supported.

## h3cAclActiveTable

Not supported.

# A3COM-HUAWEI-CBQOS-MIB

This MIB is used to manage user interfaces.

## hwCBQoSClassifierObjects

### Scalar table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSClassifierIndexNext | read-only | No | As per mib |

### hwCBQoSClassifierCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSClassifierIndex | not-accessible | No | As per mib |
| hwCBQoSClassifierName | read-create | Yes | As per mib |
| hwCBQoSClassifierRuleCount | read-only | No | As per mib |
| hwCBQoSClassifierOperator | read-create | Yes | As per mib |
| hwCBQoSClassifierLayer | read-create | Yes | Not supported |
| hwCBQoSClassifierRowStatus | read-create | No | As per mib |

### hwCBQoSMatchRuleCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSMatchRuleIndex | not-accessible | No | As per mib |
| hwCBQoSMatchRuleIfNot | read-create | Yes | As per mib |
| hwCBQoSMatchRuleType | read-create | Yes | As per mib |
| hwCBQoSMatchRuleStringValue | read-create | Yes | As per mib |
| hwCBQoSMatchRuleIntValue1 | read-create | Yes | As per mib |
| hwCBQoSMatchRuleIntValue2 | read-create | Yes | As per mib |
| hwCBQoSMatchRuleRowStatus | read-create | No | As per mib |

## hwCBQoSBehaviorObjects

### Scalar table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSBehaviorIndexNext | read-only | No | As per mib |

### hwCBQoSBehaviorCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSBehaviorIndex | not-accessible | No | As per mib |
| hwCBQoSBehaviorName | read-create | Yes | As per mib |
| hwCBQoSBehaviorRowStatus | read-create | No | As per mib |

### hwCBQoSCarCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSCarCir | read-create | Yes | As per mib |
| hwCBQoSCarCbs | read-create | Yes | As per mib |
| hwCBQoSCarEbs | read-create | Yes | As per mib |
| hwCBQoSCarPir | read-create | No | Not supported |
| hwCBQoSCarPbs | read-create | No | Not supported |
| hwCBQoSCarGreenAction | read-create | Yes | As per mib |
| hwCBQoSCarGreenRemarkValue | read-create | Yes | As per mib |
| hwCBQoSCarYellowAction | read-create | No | Not supported |
| hwCBQoSCarRedAction | read-create | Yes | As per mib |
| hwCBQoSCarRedRemarkValue | read-create | Yes | As per mib |
| hwCBQoSCarRowStatus | read-create | No | As per mib |

### hwCBQoSGtsCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSGtsCir | read-create | Yes | As per mib |
| hwCBQoSGtsCbs | read-create | Yes | As per mib |
| hwCBQoSGtsEbs | read-create | Yes | As per mib |
| hwCBQoSGtsQueueLength | read-create | Yes | As per mib |
| hwCBQoSGtsRowStatus | read-create | No | As per mib |

### hwCBQoSRemarkCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSRemarkType | not-accessible | No | As per mib |
| hwCBQoSRemarkValue | read-create | Yes | As per mib |
| hwCBQoSRemarkRowStatus | read-create | No | As per mib |

### hwCBQoSQueueCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSQueueType | read-create | Yes | As per mib |
| hwCBQoSQueueDropType | read-create | No | Now only support read operation. |
| hwCBQoSQueueLength | read-create | Yes | As per mib |
| hwCBQoSQueueBandwidthUnit | read-create | Yes | As per mib |
| hwCBQoSQueueBandwidthValue | read-create | Yes | As per mib |
| hwCBQoSQueueCbs | read-create | Yes | As per mib |
| hwCBQoSQueueQueueNumber | read-create | Yes | As per mib |
| hwCBQoSQueueRowStatus | read-create | No | As per mib |
| hwCBQoSQueueCbsRatio | read-create | Yes | Committed Burst Size Ratio.  Unit: byte.  CBS = CBS\_Ratio \* Bandwidth(k bps)  Only valid for EF queue.  -1 is returned only when getting value about AF or WFQ queue.  -1 can't be set. |

### hwCBQoSWredCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSWredType | read-write | Yes | As per mib |
| hwCBQoSWredWeightConst | read-write | Yes | As per mib |

### hwCBQoSWredClassCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSWredClassValue | not-accessible | No | As per mib |
| hwCBQoSWredClassLowLimit | read-write | Yes | As per mib |
| hwCBQoSWredClassHighLimit | read-write | Yes | As per mib |
| hwCBQoSWredClassDiscardProb | read-write | Yes | As per mib |

### hwCBQoSPolicyRouteCfgInfoTable

Not supported.

### hwCBQoSNatCfgInfoTable

Not supported.

### hwCBQoSFirewallCfgInfoTable

Not supported.

### hwCBQoSSamplingCfgInfoTable

Not supported.

### hwCBQoSLrCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSLrUnit | read-create | No | As per MIB |
| hwCBQoSLrCir | read-create | No | As per MIB |
| hwCBQoSLrCbs | read-create | No | As per MIB |
| hwCBQoSLrEbs | read-create | No | As per MIB |
| hwCBQoSLrRowStatus | read-create | No | As per MIB |

### hwCBQoSNestPolicyCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSNestPolicyName | read-create | No | As per MIB |
| hwCBQoSNestPolicyRowStatus | read-create | No | As per MIB |

## hwCBQoSPolicyObjects

### Scalar table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSPolicyIndexNext | read-only | No | As per mib |

### hwCBQoSPolicyCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSPolicyIndex | Not-accessible | No | As per mib |
| hwCBQoSPolicyName | read-create | Yes | As per mib |
| hwCBQoSPolicyClassCount | read-only | No | As per mib |
| hwCBQoSPolicyConfigMode | read-create | No | Not supported |
| hwCBQoSPolicyRowStatus | read-create | No | As per mib |

### hwCBQoSPolicyClassCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSPolicyClassIndex | not-accessible | No | As per mib |
| hwCBQoSPolicyClassClassifierIndex | read-create | Yes | As per mib |
| hwCBQoSPolicyClassClassifierName | read-only | No | As per mib |
| hwCBQoSPolicyClassBehaviorIndex | read-create | Yes | As per mib |
| hwCBQoSPolicyClassBehaviorName | read-only | No | As per mib |
| hwCBQoSPolicyClassPrecedence | read-create | No | Not supported |
| hwCBQoSPolicyClassRowStatus | read-create | No | As per mib |

## hwCBQoSApplyPolicyObjects

### hwCBQoSIfApplyPolicyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfApplyPolicyIfIndex | not-accessible | No | As per mib |
| hwCBQoSIfApplyPolicyDirection | not-accessible | No | As per mib |
| hwCBQoSIfApplyPolicyName | read-create | Yes | As per mib |
| hwCBQoSIfApplyPolicyEnableDynamic | read-create | Yes | As per mib |
| hwCBQoSIfApplyPolicyRowStatus | read-create | No | As per mib |

### hwCBQoSAtmPvcApplyPolicyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcApplyPolicyIfIndex | not-accessible | No | As per mib |
| hwCBQoSAtmPvcApplyPolicyVPI | not-accessible | No | As per mib |
| hwCBQoSAtmPvcApplyPolicyVCI | not-accessible | No | As per mib |
| hwCBQoSAtmPvcApplyPolicyDirection | not-accessible | Yes | As per mib |
| hwCBQoSAtmPvcApplyPolicyName | read-create | Yes | As per mib |
| hwCBQoSAtmPvcApplyPolicyRowStatus | read-create | No | As per mib |

### hwCBQoSIfVlanApplyPolicyTable

Not supported.

### hwCBQoSFrClassApplyPolicyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrClassApplyPolicyFrClassName | not-accessible | No | As per mib |
| hwCBQoSFrClassApplyPolicyDirection | not-accessible | No | As per mib |
| hwCBQoSFrClassApplyPolicyName | read-create | Yes | As per mib |
| hwCBQoSFrClassApplyPolicyRowStatus | read-create | No | As per mib |

### hwCBQoSFrPvcApplyPolicyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcApplyPolicyIfIndex | not-accessible | No | As per mib |
| hwCBQoSFrPvcApplyPolicyDlciNum | not-accessible | No | As per mib |
| hwCBQoSFrPvcApplyPolicyDirection | not-accessible | No | As per mib |
| hwCBQoSFrPvcApplyPolicyName | read-only | No | As per mib |

## hwCBQoSApplyPolicyStaticsObjects

The hwCBQoSPolicyClassIndex (INTERGER32) has 32 bits , the low 16 bits of which denote the index of the QoS interface class,and the high 16 bits denote the index of the QoS class used by the nest policy.hwCBQoSIfStaticsObjects

#### hwCBQoSIfCbqRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfCbqQueueSize | read-only | No | As per mib |
| hwCBQoSIfCbqDiscard | read-only | No | As per mib |
| hwCBQoSIfCbqEfQueueSize | read-only | No | As per mib |
| hwCBQoSIfCbqAfQueueSize | read-only | No | As per mib |
| hwCBQoSIfCbqBeQueueSize | read-only | No | As per mib |
| hwCBQoSIfCbqBeActiveQueueNum | read-only | No | As per mib |
| hwCBQoSIfCbqBeMaxActiveQueueNum | read-only | No | As per mib |
| hwCBQoSIfCbqBeTotalQueueNum | read-only | No | As per mib |
| hwCBQoSIfCbqAfAllocatedQueueNum | read-only | No | As per mib |

#### hwCBQoSIfClassMatchRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfClassMatchedPackets | read-only | No | As per mib |
| hwCBQoSIfClassMatchedBytes | read-only | No | As per mib |

#### hwCBQoSIfCarRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfCarGreenPackets | read-only | No | As per mib |
| hwCBQoSIfCarGreenBytes | read-only | No | As per mib |
| hwCBQoSIfCarRedPackets | read-only | No | As per mib |
| hwCBQoSIfCarRedBytes | read-only | No | As per mib |

#### hwCBQoSIfGtsRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfGtsPassedPackets | read-only | No | As per mib |
| hwCBQoSIfGtsPassedBytes | read-only | No | As per mib |
| hwCBQoSIfGtsDiscardedPackets | read-only | No | As per mib |
| hwCBQoSIfGtsDiscardedBytes | read-only | No | As per mib |
| hwCBQoSIfGtsDelayedPackets | read-only | No | As per mib |
| hwCBQoSIfGtsDelayedBytes | read-only | No | As per mib |
| hwCBQoSIfGtsQueueSize | read-only | No | As per mib |

#### hwCBQoSIfRemarkRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcRemarkedPackets | read-only | No | As per mib |

#### hwCBQoSIfQueueRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfQueueMatchedPackets | read-only | No | As per mib |
| hwCBQoSIfQueueMatchedBytes | read-only | No | As per mib |
| hwCBQoSIfQueueEnqueuedPackets | read-only | No | As per mib |
| hwCBQoSIfQueueEnqueuedBytes | read-only | No | As per mib |
| hwCBQoSIfQueueDiscardedPackets | read-only | No | As per mib |
| hwCBQoSIfQueueDiscardedBytes | read-only | No | As per mib |

#### hwCBQoSIfWredRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfWredRandomDiscardedPackets | read-only | No | As per mib |
| hwCBQoSIfWredTailDiscardedPackets | read-only | No | As per mib |

#### hwCBQoSIfLrRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSIfLrPassedPackets | read-only | No | As per MIB |
| hwCBQoSIfLrPassedBytes | read-only | No | As per MIB |
| hwCBQoSIfLrDiscardedPackets | read-only | No | As per MIB |
| hwCBQoSIfLrDiscardedBytes | read-only | No | As per MIB |

### hwCBQoSAtmPvcStaticsObjects

#### hwCBQoSAtmPvcCbqRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcCbqQueueSize | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqDiscard | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqEfQueueSize | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqAfQueueSize | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqBeQueueSize | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqBeActiveQueueNum | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqBeMaxActiveQueueNum | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqBeTotalQueueNum | read-only | No | As per mib |
| hwCBQoSAtmPvcCbqAfAllocatedQueueNum | read-only | No | As per mib |

#### hwCBQoSAtmPvcClassMatchRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcClassMatchPackets | read-only | No | As per mib |
| hwCBQoSAtmPvcClassMatchBytes | read-only | No | As per mib |

#### hwCBQoSAtmPvcCarRunInfoTable

Not supported.

#### hwCBQoSAtmPvcGtsRunInfoTable

Not supported.

#### hwCBQoSAtmPvcRemarkRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcRemarkedPackets | read-only | No | As per mib |

#### hwCBQoSAtmPvcQueueRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcQueueMatchedPackets | read-only | No | not supported |
| hwCBQoSAtmPvcQueueMatchedBytes | read-only | No | not supported |
| hwCBQoSAtmPvcQueueEnqueuedPackets | read-only | No | not supported |
| hwCBQoSAtmPvcQueueEnqueuedBytes | read-only | No | not supported |
| hwCBQoSAtmPvcQueueDiscardedPackets | read-only | No | not supported |
| hwCBQoSAtmPvcQueueDiscardedBytes | read-only | No | not supported |

#### hwCBQoSAtmPvcWredRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcWredRandomDiscardedPackets | read-only | No | Not supported |
| hwCBQoSAtmPvcWredTailDiscardedPackets | read-only | No | Not supported |

#### hwCBQoSAtmPvcLrRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSAtmPvcLrPassedPackets | read-only | No | As per MIB |
| hwCBQoSAtmPvcLrPassedBytes | read-only | No | As per MIB |
| hwCBQoSAtmPvcLrDiscardedPackets | read-only | No | As per MIB |
| hwCBQoSAtmPvcLrDiscardedBytes | read-only | No | As per MIB |
| hwCBQoSAtmPvcLrDelayedPackets | read-only | No | As per MIB |
| hwCBQoSAtmPvcLrDelayedBytes | read-only | No | As per MIB |

### hwCBQoSFrPvcStaticsObjects

#### hwCBQoSFrPvcCbqRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcCbqQueueSize | read-only | No | As per mib |
| hwCBQoSFrPvcCbqDiscard | read-only | No | As per mib |
| hwCBQoSFrPvcCbqEfQueueSize | read-only | No | As per mib |
| hwCBQoSFrPvcCbqAfQueueSize | read-only | No | As per mib |
| hwCBQoSFrPvcCbqBeQueueSize | read-only | No | As per mib |
| hwCBQoSFrPvcCbqBeActiveQueueNum | read-only | No | As per mib |
| hwCBQoSFrPvcCbqBeMaxActiveQueueNum | read-only | No | As per mib |
| hwCBQoSFrPvcCbqBeTotalQueueNum | read-only | No | As per mib |
| hwCBQoSFrPvcCbqAfAllocatedQueueNum | read-only | No | As per mib |

#### HwCBQoSFrPvcClassMatchRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcClassMatchedPackets | read-only | No | As per mib |
| hwCBQoSFrPvcClassMatchedBytes | read-only | No | As per mib |

#### hwCBQoSFrPvcCarRunInfoTable

Not supported.

#### hwCBQoSFrPvcGtsRunInfoTable

Not supported.

#### hwCBQoSFrPvcRemarkRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcRemarkedPackets | read-only | No | As per mib |

#### hwCBQoSFrPvcQueueRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcQueueMatchedPackets | read-only | No | As per mib |
| hwCBQoSFrPvcQueueMatchedBytes | read-only | No | As per mib |
| hwCBQoSFrPvcQueueEnqueuedPackets | read-only | No | As per mib |
| hwCBQoSFrPvcQueueEnqueuedBytes | read-only | No | As per mib |
| hwCBQoSFrPvcQueueDiscardedPackets | read-only | No | As per mib |
| hwCBQoSFrPvcCbqBeActiveQueueNum | read-only | No | As per mib |
| hwCBQoSFrPvcQueueDiscardedBytes | read-only | No | As per mib |

#### HwCBQoSFrPvcWredRunInfoTable

Not supported.

#### hwCBQoSFrPvcLrRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCBQoSFrPvcLrPassedPackets | read-only | No | As per MIB |
| hwCBQoSFrPvcLrPassedBytes | read-only | No | As per MIB |
| hwCBQoSFrPvcLrDiscardedPackets | read-only | No | As per MIB |
| hwCBQoSFrPvcLrDiscardedBytes | read-only | No | As per MIB |
| hwCBQoSFrPvcLrDelayedPackets | read-only | No | As per MIB |
| hwCBQoSFrPvcLrDelayedBytes | read-only | No | As per MIB |
| hwCBQoSFrPvcLrQueueSize | read-only | No | As per MIB |

### HwCBQoSIfVlanStaticsObjects

Not supported.

# A3COM-HUAWEI-COMMON-MIB

## hwSystem

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwWriteConfig | read-write | No | As per mib.  But it is recommended that this MIB object is replaced by A3COM-HUAWEI-CONFIG-MAN-MIB |
| hwStartFtpServer | read-write | Yes | As per mib |
| hwReboot | read-write | No | As per mib |
| hwSoftwareVersion | read-only | No | For basic version is "Vx.yy"  For extend version is "Extended\_Vx.yy"  Here x is major version number, yy is minor version number. |

# A3COM-HUAWEI-CONFIG-MAN-MIB

A configuration management MIB, includes configuration log management and Backup & Restore operation of configuration.

All the configuration change events can be managed by the log management mib. The configuration may be changed by CLI, SNMP or other ways defined as the MIB.

Backup & Restore mib group provides the configuration backup and restore among flash, memory and network.

Note: Writing flash can be done by Backup(save) as described in figure below.

It is recommended that **hwWriteConfig** is replaced by this mib.

Restore

Restore(ftp/tftp)

Backup(ftp/tftp)

Backup(save)

Backup(ftp/tftp)

Restore(ftp/tftp)

Figure 18.1

## The configuration log management- h3cCfgLog mib group

This group defines a collection of objects for management of configuration event log. This group contains six scalar objects and a table.

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgRunModifiedLast | read-only | No | As per mib |
| h3cCfgRunSavedLast | read-only | No | As per mib |
| h3cCfgStartModifiedLast | read-only | No | As per mib |
| h3cCfgLogLimitedEntries | read-only | No | As per mib |
| h3cCfgLogDeletedEntries | read-only | No | As per mib |
| h3cCfgLogWantBackup | read- write | No | Available for distributed systems. Always false value for a centralized system. |

### h3cCfgLogTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgLogIndex | NA | No | As per mib |
| h3cCfgLogTime | read-only | No | As per mib |
| h3cCfgLogSrcCmd | read-only | No | As per mib |
| h3cCfgLogSrcData | read-only | No | As per mib |
| h3cCfgLogDesData | read-only | No | As per mib |
| h3cCfgLogTerminalType | read-only | No | As per mib |
| h3cCfgLogTerminalUser | read-only | No | When users modify configuration through SNMP agent, the value of this instance is the name of the write community. |
| h3cCfgLogTerminalNum | read-only | No | As per mib |
| h3cCfgLogTerminalLocation | read-only | No | As per mib |
| h3cCfgLogCmdSrcAddress | read-only | No | As per mib |
| h3cCfgLogVirHost | read-only | No | As per mib |
| h3cCfgLogUserName | read-only | No | As per mib |
| h3cCfgLogServerAddress | read-only | No | As per mib |
| h3cCfgLogFile | read-only | No | As per mib |

## The configuration backup and restore - h3cCfgOperate mib group

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgOperateGlobalEntryLimit | read-only | No | As per mib |
| h3cCfgOperateEntryAgeOutTime | read-only | No | As per mib |
| h3cCfgOperateResultGlobalEntryLimit | read-only | No | As per mib |

### h3cCfgOperateTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgOperateIndex | NA | No | As per mib |
| h3cCfgOperateType | read-create | No | As per mib |
| h3cCfgOperateProtocol | read-create | No | As per mib |
| h3cCfgOperateFileName | read-create | No | The maxinum length of the full file name (including path name and file name) is 116. In addition, the length of file name is No more than 52, and the length of path name is No more than 64. |
| h3cCfgOperateServerAddress | read-create | No | As per mib |
| h3cCfgOperateUserName | read-create | No | As per mib |
| h3cCfgOperateUserPassword | read-create | No | As per mib |
| h3cCfgOperateEndNotificationSwitch | read-create | No | As per mib. |
| h3cCfgOperateRowStatus | read-create | No | As per mib. |

### h3cCfgOperateResultTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgOperateResultIndex | NA | No | As per mib |
| h3cCfgOperateResultOptIndex | read-only | No | As per mib |
| h3cCfgOperateResultOpType | read-only | No | As per mib |
| h3cCfgOperateState | read-only | No | As per mib |
| h3cCfgOperateTime | read-only | No | As per mib |
| h3cCfgOperateEndTime | read-only | No | As per mib |

## Notifications

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfgManEventlog | NA | No | Support |
| h3cCfgOperateCompletion | NA | No | Support |

# A3COM-HUAWEI-DHCPR-MIB

## hwDHCPRelayMib { mib-2 100 }

### hwDHCPRelayMibObject { hwDHCPRelayMib 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPRIPTable | not-accessible | No | As per mib. |
| hwDHCPRSeletAllocateModeTable | not-accessible | No | As per mib. |
| hwDHCPRelayCycleStatus | read-write | Yes | As per mib. |
| hwDHCPRRxBadPktNum | read-only | No | As per mib. |
| hwDHCPRRxServerPktNum | read-only | No | As per mib. |
| hwDHCPRTxServerPktNum | read-only | No | As per mib. |
| hwDHCPRRxClientPktNum | read-only | No | As per mib. |
| hwDHCPRTxClientPktNum | read-only | No | As per mib. |
| hwDHCPRTxClientUniPktNum | read-only | No | As per mib. |
| hwDHCPRTxClientBroPktNum | read-only | No | As per mib. |
| hwDHCPRelayDiscoverPktNum | read-only | No | As per mib. |
| hwDHCPRelayRequestPktNum | read-only | No | As per mib. |
| hwDHCPRelayDeclinePktNum | read-only | No | As per mib. |
| hwDHCPRelayReleasePktNum | read-only | No | As per mib. |
| hwDHCPRelayInformPktNum | read-only | No | As per mib. |
| hwDHCPRelayOfferPktNum | read-only | No | As per mib. |
| hwDHCPRelayAckPktNum | read-only | No | As per mib. |
| hwDHCPRelayNakPktNum | read-only | No | As per mib. |
| hwDHCPRelayStatisticsReset | read-write | Yes | As per mib. |

#### hwDHCPRIPTable { hwDHCPRelayMibObject 1 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPRIPAddr | read-only | Yes | As per mib. |
| hwDHCPRIPRowStatus | read-create | No | As per mib. |

#### hwDHCPRSeletAllocateModeTable { hwDHCPRelayMibObject 2 }

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPRSelectAllocateMode | read-write | Yes | As per mib. |

# A3COM-HUAWEI-DHCPS-MIB

## hwDHCPSGlobalPoolTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSGlobalPoolName | read-only | Yes | The size list of hwDHCPSGlobalPoolName is implemented from 1 to 35 |
| hwDHCPSGlobalPoolRowStatus | read-create | No | As per mib |

## hwDHCPSGlobalPoolConfigTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSGlobalPoolType | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolNetwork | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolNetworkMask | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolHostIPAddr | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolHostMask | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolHostHAddr | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolConfigUndoFlag | read-write | Yes | As per mib |

## hwDHCPSGlobalPoolParaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSGlobalPoolLeaseDay | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolLeaseHour | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolLeaseMinute | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolLeaseUnlimited | read-write | Yes | Identify the unlimited Lease configuration. It will get invalid(0) when the lease is configured to be any limited values, It is no sense to set this object to invalid(0), because the system doesn’t know which limited values hwDHCPSGlobalPoolLeaseDay， hwDHCPSGlobalPoolLeaseHour and hwDHCPSGlobalPoolLeaseMinute should be set and it will return error. |
| hwDHCPSGlobalPoolDomainName | read-write | Yes | The size list of hwDHCPSGlobalPoolDomainName is implemented from 3 to 50 |
| hwDHCPSGlobalPoolClientGatewayIPString | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientGatewayIPUndo | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientDNSIPString | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientDNSIPUndo | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientNetbiosType | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientNbnsIPString | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolClientNbnsIPUndo | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolParaUndoFlag | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolIPInUseReset | read-write | Yes | As per mib |

## hwDHCPSGlobalPoolOptionTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSGlobalPoolOptionCode | read-only | Yes | As per mib |
| hwDHCPSGlobalPoolOptionType | read-create | Yes | As per mib |
| hwDHCPSGlobalPoolOptionAscii | read-create | Yes | As per mib |
| hwDHCPSGlobalPoolOptionHexString | read-create | Yes | As per mib |
| hwDHCPSGlobalPoolOptionIPString | read-create | Yes | As per mib |
| hwDHCPSGlobalPoolOptionRowStatus | read-create | No | As per mib |

## hwDHCPSGlobalTreeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSGlobalTreeParentNodeName | read-only | No | As per mib |
| hwDHCPSGlobalTreeChildNodeName | read-only | No | As per mib |
| hwDHCPSGlobalTreePreSiblingNodeName | read-only | No | As per mib |
| hwDHCPSGlobalTreeSiblingNodeName | read-only | No | As per mib |

## hwDHCPSInterfacePoolParaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSInterfacePoolLeaseDay | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolLeaseHour | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolLeaseMinute | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolLeaseUnlimited | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolDomainName | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolClientDNSIPString | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolClientDNSIPUndo | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolClientNetbiosType | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolClientNbnsIPString | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolClientNbnsIPUndo | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolParaUndoFlag | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolIPInUseReset | read-write | Yes | As per mib |

## hwDHCPSInterfacePoolOptionTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSInterfacePoolOptionCode | read-only | Yes | As per mib |
| hwDHCPSInterfacePoolOptionType | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolOptionAscii | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolOptionHexString | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolOptionIPString | read-write | Yes | As per mib |
| hwDHCPSInterfacePoolOptionRowStatus | read-write | No | As per mib |

## hwDHCPSInterfacePoolStaticBindTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSInterfacePoolStaticBindIP | read-only | Yes | As per mib |
| hwDHCPSInterfacePoolStaticBindMac | read-create | Yes | As per mib |
| hwDHCPSInterfacePoolStaticBindRowStatus | read-create | No | As per mib |

## hwDHCPSIPInUseTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSIPInUseHAddr | read-only | No | As per mib |
| hwDHCPSIPInUseIP | read-only | No | As per mib |
| hwDHCPSIPInUseEndLease | read-only | No | As per mib |
| hwDHCPSIPInUseType | read-only | No | As per mib |
| hwDHCPSIPInUsePoolName | read-only | No | As per mib |
| hwDHCPSIPInUseInterface | read-only | No | Not supported |
| hwDHCPSIPInUseVlan | read-only | No | Not supported |
| hwDHCPSIPInUseAtmpvc | read-only | No | Not supported |

## hwDHCPSForbiddenIPTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSForbiddenIPStart | read-only | Yes | As per mib |
| hwDHCPSForbiddenIPEnd | read-only | Yes | As per mib |
| hwDHCPSForbiddenIPRowStatus | read-create | No | As per mib |

## hwDHCPSConflictIPTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSConflictIP | read-only | No | As per mib |
| hwDHCPSConflictIPType | read-only | No | As per mib |
| hwDHCPSConflictIPDetectTime | read-only | No | As per mib |

## Scalar object

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwDHCPSServiceStatus | read-write | Yes | As per mib |
| hwDHCPSDetectingServerStatus | read-write | Yes | As per mib |
| hwDHCPSPingNum | read-write | Yes | As per mib |
| hwDHCPSPingTimeout | read-write | Yes | As per mib |
| hwDHCPSWriteDataStatus | read-write | Yes | Not supported |
| hwDHCPSWriteDataDirection | read-only | No | Not supported |
| hwDHCPSWriteDataDelay | read-write | Yes | Not supported |
| hwDHCPSWriteDataRecover | read-write | Yes | Not supported |
| hwDHCPSIPInUseResetIP | read-write | Yes | As per mib |
| hwDHCPSConflictIPResetIP | read-write | Yes | As per mib |
| hwDHCPSIPResetFlag | read-write | Yes | As per mib |
| hwDHCPSGlobalPoolNumber | read-only | No | As per mib |
| hwDHCPSGlobalPoolAutoBindingNum | read-only | No | As per mib |
| hwDHCPSGlobalPoolManualBindingNum | read-only | No | As per mib |
| hwDHCPSGlobalPoolExpiredBindingNum | read-only | No | As per mib |
| hwDHCPSInterfacePoolNumber | read-only | No | As per mib |
| hwDHCPSInterfacePoolAutoBindingNum | read-only | No | As per mib |
| hwDHCPSInterfacePoolManualBindingNum | read-only | No | As per mib |
| hwDHCPSInterfacePoolExpiredBindingNum | read-only | No | As per mib |
| hwDHCPSBadPktNum | read-only | No | As per mib |
| hwDHCPSBootRequestPktNum | read-only | No | As per mib |
| hwDHCPSDiscoverPktNum | read-only | No | As per mib |
| hwDHCPSRequestPktNum | read-only | No | As per mib |
| hwDHCPSDeclinePktNum | read-only | No | As per mib |
| hwDHCPSReleasePktNum | read-only | No | As per mib |
| hwDHCPSInformPktNum | read-only | No | As per mib |
| hwDHCPSBootReplyPktNum | read-only | No | As per mib |
| hwDHCPSOfferPktNum | read-only | No | As per mib |
| hwDHCPSAckPktNum | read-only | No | As per mib |
| hwDHCPSNakPktNum | read-only | No | As per mib |
| hwDHCPSStatisticsReset | read-write | Yes | As per mib |

# A3COM-HUAWEI-E1-MIB

## e1InterfaceStatusTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| e1InterfaceInErrs | read-only | No | As per mib |
| e1InterfaceInRuntsErrs | read-only | No | As per mib |
| e1InterfaceInGiantsErrs | read-only | No | As per mib |
| e1InterfaceInCrcErrs | read-only | No | As per mib |
| e1InterfaceInAlignErrs | read-only | No | As per mib |
| e1InterfaceInOverRunsErrs | read-only | No | As per mib |
| e1InterfaceInDribblesErrs | read-only | No | As per mib |
| e1InterfaceInAbortedSeqErrs | read-only | No | As per mib |
| e1InterfaceInNoBufferErrs | read-only | No | As per mib |
| e1InterfaceInFramingErrs | read-only | No | As per mib |
| e1InterfaceOutputErrs | read-only | No | As per mib |
| e1InterfaceOutUnderRunErrs | read-only | No | As per mib |
| e1InterfaceOutCollisonsErrs | read-only | No | As per mib |
| e1InterfaceOutDeferedErrs | read-only | No | As per mib |

# A3COM-HUAWEI-ENTITY-EXT-MIB

This mib includes the general environment information of the device, which is an extension of entity mib defined in RFC2737.

## h3cEntityStateTable

The table is indexed by hwEntPhysicalIndex the same as entPhysicalIndex defined in RFC2737. Some objects in the table may be not supported by a specific entity. In that case, the instance for the object has No meaning. For example, hwEntityCpuUsage for fans has No meaning.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cEntityExtPhysicalIndex | Access-for-notification | No | The index of the table, the same as the entPhysicalIndex defined in ENTITY-MIB |
| h3cEntityExtAdminStatus | read-write | No | The administrative state for this object, the valid states for this Node are:  notSupported(1),---support  locked(2),---support  shuttingDown(3),----notsupport  unlocked(4),----support |
| h3cEntityExtOperStatus | read-only | No | The operational status for this object, the valid states for this node are:  notSupported(1),  disabled(2),  enabled(3),  dangerous(4) |
| h3cEntityExtStandbyStatus | read-only | No | Return “notSupported” |
| h3cEntityExtAlarmLight | read-only | No | The alarm light only support CPU entity, the valid states for this node are:  notSupported(1),  hotStandby(2),  coldStandby(3),  providingservice(4) |
| h3cEntityExtCpuUsage | read-only | No | Valid only for CPU entity, return zero for other entities. |
| h3cEntityExtCpuUsageThreshold | read-write | No | Always return 100 for CPU entity, return zero for other entities. |
| h3cEntityExtMemUsage | read-only | No | Return the system memory usage for CPU, return zero for other entities; |
| h3cEntityExtMemUsageThreshold | read-write | No | ReadOnly now,return 100 for CPU, return zero for other entities; |
| h3cEntityExtMemSize | read-only | No | Return the total system managed memory for CPU entity only. |
| h3cEntityExtUpTime | read-only | No | Return the system up time for CHASSIS only. |
| h3cEntityExtTemperature | read-only | No | Return the system real temperature at that point for SENSOR entity only, return zero for other entities. |
| h3cEntityExtTemperatureThreshold | read-write | No | Return the system real temperature threshold at that point for SENSOR entity only, return zero for other entities. |
| h3cEntityExtVoltage | read-only | No | Not supported,and the read value is not valid |
| h3cEntityExtVoltageLowThreshold | read-write | No | Not supported,and the read value is not valid |
| h3cEntityExtVoltageHighThreshold | read-write | No | Not supported,and the read value is not valid |
| h3cEntityExtCriticalTemperatureThreshold | read-write | No | Not supported,and the read value is not valid |
| h3cEntityExtMacAddress | read-only | No | For routers: not support. |
| h3cEntityExtErrorStatus | read-only | No | For routers: not Support. |

## Relation table between entity and extend property

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Entity  (R/W: read/write) | POWERSUPPLY | FAN | CHASSIS | CONTAINER | MODULE | PORT | CPU | SENSOR |
| h3cEntityExtAdminStatus (R/W) |  |  |  |  | 6x:Yes | Yes |  |  |
| h3cEntityExtOperStatus (R) | 6x:Yes | 6x:Yes |  |  | 6x:Yes | Yes |  |  |
| h3cEntityExtStandbyStatus (R) |  |  |  |  |  |  |  |  |
| hwEntityExtAlarmLight (R) |  |  | 6x:Yes |  |  |  |  |  |
| h3cEntityExtCpuUsage (R) |  |  |  |  |  |  | Yes |  |
| h3cEntityExtCpuUsageThreshold (R/W) |  |  |  |  |  |  | Yes |  |
| h3cEntityExtMemUsage (R) |  |  |  |  |  |  | Yes |  |
| h3cEntityExtMemUsageThreshold(R/W) |  |  |  |  |  |  | Yes |  |
| h3cEntityExtMemSize (R) |  |  |  |  |  |  | Yes |  |
| h3cEntityExtUpTime (R) |  |  | Yes |  |  |  |  |  |
| h3cEntityExtTemperature (R) |  |  |  |  |  |  |  | 6x:Yes |
| h3cEntityExtTemperatureThreshold(R/W) |  |  |  |  |  |  |  | 6x:Yes |
| h3cEntityExtVoltage(R) |  |  |  |  |  |  |  |  |
| h3cEntityExtVoltageLowThreshold(R/W) |  |  |  |  |  |  |  |  |
| h3cEntityExtVoltageHighThreshold(R/W) |  |  |  |  |  |  |  |  |
| h3cEntityExtCriticalTemperatureThreshold |  |  |  |  |  |  |  |  |

**Explain the table :**

1. “Yes” means the preporty of that entity is implemented. Others are not supported.
2. If the result by the operation is “No such name”, it denotes the this MIB object is not to be supported for the specific entity.
3. “6x” means router 6000 families.

# A3COM-HUAWEI-FLASH-MAN-MIB

This Mib supplies the information for the management of flash devices.

## h3cFlashDevice

Flash device mamagement group(h3cFlashManMIBObjects.1)

### h3cFlhSupportNum: The number of flash supported by system

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| H3cFlhSupportNum | read-only | No | As per mib |

### h3cFlashTable: The information for each flash.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhIndex | NA | No | As per mib |
| h3cFlhSize | read-only | No | As per mib |
| h3cFlhPos | read-only | No | Depends on the entity mib. |
| h3cFlhName | read-only | No | The name for flash |
| h3cFlhChipNum | read-only | No | As per mib |
| h3cFlhDescr | read-only | No | As per mib |
| h3cFlhInitTime | read-only | No | As per mib |
| h3cFlhRemovable | read-only | No | As per mib |
| h3cFlhPartitionBool | read-only | No | The value indicates that whether the flash indexed can be partitioned or not.  The true(1) value indicates the flash device CAN be partitioned.  Now only support read-only access |
| h3cFlhMinPartitionSize | read-only | No | As per mib |
| h3cFlhMaxPartitions | read-only | No | The value is always 1 for LUNDY |
| h3cFlhPartitionNum | read-only | No | The value is always 1 for LUNDY |

### h3cFlashChips:The information for each chip in a flash(huaweiFlashManMIBObjects.2)

hwFlhChipTable:This table is indexed by hwFlhIndex and hwFlhChipSerialNo. Each flash may contains several chips, this table provides the information of each chip in a flash.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhChipSerialNo | NA | No | As per mib |
| h3cFlhChipID | read-only | No | As per mib |
| h3cFlhChipDescr | read-only | No | As per mib |
| h3cFlhChipWriteTimesLimit | read-only | No | As per mib |
| h3cFlhChipWriteTimes | read-only | No | As per mib |
| h3cFlhChipEraseTimesLimit | read-only | No | As per mib |
| h3cFlhChipEraseTimes | read-only | No | As per mib |

### h3cFlashPartitions: Flash partition information and files information in the partition

For a given flash indexed by hwFlhIndex, if it cannot be partitioned, there is only one instance in this table.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhPartIndex | NA | No | As per mib |
| h3cFlhPartFirstChip | read-only | No | As per mib |
| h3cFlhPartLastChip | read-only | No | As per mib |
| h3cFlhPartSpace | read-only | No | As per mib |
| h3cFlhPartSpaceFree | read-only | No | As per mib |
| h3cFlhPartFileNum | read-only | No | As per mib |
| h3cFlhPartChecksumMethod | read-only | No | As per mib |
| h3cFlhPartStatus | read-only | No | As per mib |
| h3cFlhPartUpgradeMode | read-only | No | As per mib |
| h3cFlhPartName | read-only | No | As per mib |
| h3cFlhPartRequireErase | read-only | No | As per mib |
| h3cFlhPartFileNameLen | read-only | No | As per mib |

#### h3cFlhFileTable

The table contains the files in a given partition of a flash, including the hidden files

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhFileIndex | NA | No | As per mib |
| h3cFlhFileName | read-only | No | As per mib |
| h3cFlhFileSize | read-only | No | As per mib |
| h3cFlhFileStatus | read-only | No | As per mib |
| h3cFlhFileChecksum | read-only | No | As per mib |

## h3cFlashOperate

Operation in flash group. ( huaweiFlashManMIBObjects.2)

The operation types supported by device are:

* **net2FlashWithErase (1)**:Copy a file to flash; erase flash before copy. Use the FTP or TFTP protocol.(not support now)
* **net2FlashWithoutErase (2)**:Copy a file to flash; do not erase. Note that this command will fail if the PartitionNeedErasure object specifies that the partition being copied to needs erasure. Use the FTP or TFTP protocol.
* **flash2Net(3)**:Copy a file from flash using the FTP or TFTP protocol.
* **Delete(4)**:Delete the file specified by hwFlhOperSourceFile. If the operation is implemented, the file will be deleted from flash completely.

NOTE:

To copy a file from (to) flash to (from) the network, the device is regarded as FTP(TFTP) client, and the remote NMS serves as FTP(TFTP) server.

To create an instance in the table, CreatAndGo and CreateAndWait operations are available.

When ftp is used to transmit file, the values for hwFlhOperServerUser and hwFlhOperPassword must be specified.

The following values of H3cFlashOperationStatus are implemented for tftp protocol:

1: opInProgress(1)

2: opSuccess(2)

10: opDeviceError(10)

12: opDeviceFull(12)

13: opFileOpenError(13)

14: opFileTransferError(14)

16: opNoMemory(16)

19: opUnknownFailure(19)

The following values of H3cFlashOperationStatus are implemented for ftp protocol:

1: opInProgress(1)

2: opSuccess(2)

3: opInvalidOperation(3)

7: opInvalidServerAddress(7)

10: opDeviceError(10)

12: opDeviceFull(12)

13: opFileOpenError(13)

14: opFileTransferError(14)

16: opNoMemory(16)

17: opAuthFail(17)

19: opUnknownFailure(19)

The following values of H3cFlashOperationStatus are implemented for delete operation:

1: opInProgress(1)

2: opSuccess(2)

20:opDeleteFileOpenError(20),

21:opDeleteInvalidDevice(21),

22:opDeleteInvalidFunction(22),

23:opDeleteOperationError(23),

24:opDeleteInvalidFileName(24),

25:opDeleteDeviceBusy(25),

26:opDeleteParaError(26),

27:opDeleteInvalidPath(27)

## h3cFlhOpTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhOperIndex | NA | No | As per mib |
| h3cFlhOperType | read-create | No | As per mib |
| h3cFlhOperProtocol | read-create | No | As per mib |
| h3cFlhOperServerAddress | read-create | No | As per mib |
| h3cFlhOperServerUser | read-create | No | As per mib |
| h3cFlhOperPassword | read-create | No | As per mib |
| h3cFlhOperSourceFile | read-create | No | When the file is located on flash, the file name cannot contain space, else the operation will be failed. |
| h3cFlhOperDestinationFile | read-create | No | When the file is located on flash, the file name cannot contain space, else the operation will be failed. |
| h3cFlhOperStatus | read-only | No | As per mib |
| h3cFlhOperEndNotification | read-create | No | As per mib. Default value is false |
| h3cFlhOperProgress | read-only | No | As per mib |
| h3cFlhOperRowStatus | read-create | No | As per mib. All the status are supported. |

## Notifications

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cFlhOperNotification | NA | No | Support |

# A3COM-HUAWEI-FR-QOS-MIB

## hwFrClassObjects

### Scalar table

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwFrClassIndexNext | read-only | No | As per mib |

### hwFrClassCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwFrClassIndex | Not-accessible | Yes | As per mib |
| hwFrClassName | read-create | Yes | As per mib |
| hwFrClassRowStatus | read-create | No | As per mib |

### hwCirAllowCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCirAllowFrClassIndex | Not-accessible | Yes | As per mib |
| hwCirAllowDirection | Not-accessible | Yes | As per mib |
| hwCirAllowValue | read-create | Yes | As per mib |
| hwCirAllowRowStatus | read-create | No | As per mib |

### hwCirCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwCirFrClassIndex | Not-accessible | Yes | As per mib |
| hwCirValue | read-create | Yes | As per mib |
| hwCirRowStatus | read-create | No | As per mib |

### hwIfApplyFrClassTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwIfApplyFrClassIfIndex | Not-accessible | No | As per mib |
| hwIfApplyFrClassIndex | read-create | Yes | As per mib |
| hwIfApplyFrClassRowStatus | read-create | No | As per mib |

### hwPvcApplyFrClassTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwPvcApplyFrClassIfIndex | Not-accessible | No | As per mib |
| hwPvcApplyFrClassDlciNum | Not-accessible | Yes | As per mib |
| hwPvcApplyFrClassIndex | read-create | Yes | As per mib |
| hwPvcApplyFrClassRowStatus | read-create | No | As per mib |

### hwFrPvcBandwidthTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwFrPvcBandwidthMaxReservedBW | read-only | No | As per mib |
| hwFrPvcBandwidthAvailable | read-only | No | As per mib |

## hwRTPQoSObjects

### hwRTPFrClassApplyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwRTPFrClassApplyFrClassIndex | Not-accessible | Yes | As per mib |
| hwRTPFrClassApplyStartPort | read-create | Yes | As per mib |
| hwRTPFrClassApplyEndPort | read-create | Yes | As per mib |
| hwRTPFrClassApplyBandWidth | read-create | Yes | As per mib |
| hwRTPFrClassApplyCbs | read-create | Yes | As per mib |
| hwRTPFrClassApplyRowStatus | read-create | No | As per mib |

### hwRTPFrPvcQueueRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwRTPFrPvcQueueSize | read-only | No | As per mib |
| hwRTPFrPvcQueueMaxSize | read-only | No | As per mib |
| hwRTPFrPvcQueueOutputs | read-only | No | As per mib |
| hwRTPFrPvcQueueDiscards | read-only | No | As per mib |

# A3COM-HUAWEI-IF-EXT-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIfStatGlobalFlowInterval | read-write | Yes | As per mib |

## h3cIfStatTable

The index of h3cIfStatTableTable is ifIndex.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIfStatFlowInterval | read-write | No | Obsolete |
| h3cIfStatFlowInBits | read-only | No | As per mib |
| h3cIfStatFlowOutBits | read-only | No | As per mib |
| h3cIfStatFlowInPkts | read-only | No | As per mib |
| h3cIfStatFlowOutPkts | read-only | No | As per mib |
| h3cIfStatFlowInBytes | read-only | No | As per mib |
| h3cIfStatFlowOutBytes | read-only | No | As per mib |

## h3cIfSpeedStatTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIfSpeedStatInterval | read-write | No | Not supported |
| h3cIfSpeedStatInPkts | read-only | No | As per MIB |
| h3cIfSpeedStatOutPkts | read-only | No | As per MIB |
| h3cIfSpeedStatInBytes | read-only | No | As per MIB |
| h3cIfSpeedStatOutBytes | read-only | No | As per MIB |

# A3COM-HUAWEI-IKE-MONITOR-MIB

## h3cIKEObjects

### h3cIKETunnelTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIkeTunIndex | not-accessible | Yes | 1-50000 is supported |
| h3cIkeTunLocalType | read-only | Yes | As per mib |
| h3cIkeTunLocalValue1 | read-only | Yes | As per mib |
| h3cIkeTunLocalValue2 | read-only | No | As per mib |
| h3cIkeTunLocalAddr | read-only | Yes | As per mib |
| h3cIkeTunRemoteType | read-only | Yes | As per mib |
| h3cIkeTunRemoteValue1 | read-only | Yes | As per mib |
| h3cIkeTunRemoteValue2 | read-only | No | As per mib |
| h3cIkeTunRemoteAddr | read-only | Yes | As per mib |
| h3cIkeTunInitiator | read-only | Yes | As per mib |
| h3cIkeTunNegoMode | read-only | Yes | As per mib |
| h3cIkeTunDiffHellmanGrp | read-only | Yes | As per mib |
| h3cIkeTunEncryptAlgo | read-only | Yes | As per mib |
| h3cIkeTunHashAlgo | read-only | Yes | As per mib |
| h3cIkeTunAuthMethod | read-only | Yes | As per mib |
| h3cIkeTunLifeTime | read-only | Yes | As per mib |
| h3cIkeTunActiveTime | read-only | Yes | As per mib |
| h3cIkeTunRemainTime | read-only | Yes | As per mib |
| h3cIkeTunTotalRefreshes | read-only | Yes | As per mib |
| h3cIkeTunState | read-only | Yes | As per mib |
| h3cIKETunDpdIntervalTime | read-only | Yes | As per mib |
| h3cIKETunDpdTimeOut | read-only | Yes | As per mib |

### h3cIkeTunnelStatTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIkeTunInOctets | read-only | Yes | As per mib |
| h3cIkeTunInPkts | read-only | Yes | As per mib |
| h3cIkeTunInDropPkts | read-only | Yes | As per mib |
| h3cIkeTunInP2Exchgs | read-only | Yes | As per mib |
| h3cIkeTunInP2ExchgRejets | read-only | Yes | As per mib |
| h3cIkeTunInP2SaDelRequests | read-only | Yes | As per mib |
| h3cIkeTunInP1SaDelRequests | read-only | Yes | As per mib |
| h3cIkeTunInNotifys | read-only | Yes | As per mib |
| h3cIkeTunOutOctets | read-only | Yes | As per mib |
| h3cIkeTunOutPkts | read-only | Yes | As per mib |
| h3cIkeTunOutDropPkts | read-only | Yes | As per mib |
| h3cIkeTunOutP2Exchgs | read-only | Yes | As per mib |
| h3cIkeTunOutP2ExchgRejects | read-only | Yes | As per mib |
| h3cIkeTunOutP2SaDelRequests | read-only | Yes | As per mib |
| h3cIkeTunOutP1SaDelRequests | read-only | Yes | As per mib |
| h3cIkeTunOutNotifys | read-only | Yes | As per mib |

### h3cIkeGlobalStats

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIkeGlobalActiveTunnels | read-only | Yes | As per mib |
| h3cIkeGlobalInOctets | read-only | Yes | As per mib |
| h3cIkeGlobalInPkts | read-only | Yes | As per mib |
| h3cIkeGlobalInDropPkts | read-only | Yes | As per mib |
| h3cIkeGlobalInP2Exchgs | read-only | Yes | As per mib |
| h3cIkeGlobalInP2ExchgRejects | read-only | Yes | As per mib |
| h3cIkeGlobalInP2SaDelRequests | read-only | Yes | As per mib |
| h3cIkeGlobalInNotifys | read-only | Yes | As per mib |
| h3cIkeGlobalOutOctets | read-only | Yes | As per mib |
| h3cIkeGlobalOutPkts | read-only | Yes | As per mib |
| h3cIkeGlobalOutDropPkts | read-only | Yes | As per mib |
| h3cIkeGlobalOutP2Exchgs | read-only | Yes | As per mib |
| h3cIkeGlobalOutP2ExchgRejects | read-only | Yes | As per mib |
| h3cIkeGlobalOutP2SaDelRequests | read-only | Yes | As per mib |
| h3cIkeGlobalOutNotifys | read-only | Yes | As per mib |
| h3cIkeGlobalInitTunnels | read-only | Yes | As per mib |
| h3cIkeGlobalInitTunnelFails | read-only | Yes | As per mib |
| h3cIkeGlobalRespTunnels | read-only | Yes | As per mib |
| h3cIkeGlobalRespTunnelFails | read-only | Yes | As per mib |
| h3cIkeGlobalAuthFails | read-only | Yes | As per mib |
| h3cIkeGlobalNoSaFails | read-only | Yes | As per mib |
| h3cIkeGlobalInvalidCookieFails | read-only | Yes | As per mib |
| h3cIkeGlobalAttrNotSuppFails | read-only | Yes | As per mib |
| h3cIkeGlobalNoProposalChosenFails | read-only | Yes | As per mib |
| h3cIkeGlobalUnsportExchTypeFails | read-only | Yes | As per mib |
| h3cIkeGlobalInvalidIdFails | read-only | Yes | As per mib |
| h3cIkeGlobalInvalidProFails | read-only | Yes | As per mib |
| h3cIkeGlobalCertTypeUnsuppFails | read-only | Yes | As per mib |
| h3cIkeGlobalInvalidCertAuthFails | read-only | Yes | As per mib |
| h3cIkeGlobalInvalidSignFails | read-only | Yes | As per mib |
| h3cIkeGlobalCertUnavailableFails | read-only | Yes | As per mib |

### h3cIKETrapObject

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIkeProposalNumber | accessible-for-notify | Yes | As per mib |
| h3cIkeProposalSize | accessible-for-notify | Yes | As per mib |
| h3cIkeIdInformation | accessible-for-notify | Yes | As per mib |
| h3cIkeProtocolNum | accessible-for-notify | Yes | As per mib |
| h3cIkeCertInfromation | accessible-for-notify | Yes | As per mib |

### h3cIKETrapCntl

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIKETrapGlobalCntl | read-write | Yes | As per mib |
| h3cIKETunnelStartTrapCntl | read-write | Yes | As per mib |
| h3cIKETunnelStopTrapCntl | read-write | Yes | As per mib |
| h3cIKENoSaTrapCntl | read-write | Yes | As per mib |
| h3cIKEEncryFailureTrapCntl | read-write | No | As per mib |
| h3cIKEDecryFailureTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidProposalTrapCntl | read-write | Yes | As per mib |
| h3cIKEAuthFailTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidCookieTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidSpiTrapCntl | read-write | Yes | As per mib |
| h3cIKEAttrNotSuppTrapCntl | read-write | Yes | As per mib |
| h3cIKEUnsportExchTypeTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidIdTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidProtocolTrapCntl | read-write | Yes | As per mib |
| h3cIKECertTypeUnsuppTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidCertAuthTrapCntl | read-write | Yes | As per mib |
| h3cIKEInvalidSignTrapCntl | read-write | Yes | As per mib |
| h3cIKECertUnavailableTrapCntl | read-write | Yes | As per mib |
| h3cIKEProposalAddTrapCntl | read-write | Yes | As per mib |
| h3cIKEProposalDelTrapCntl | read-write | Yes | As per mib |

# A3COM-HUAWEI-IPSEC-MONITOR-MIB

This mib is used only for routers who support IPSec feature.

## h3cIPSecObjects

### h3cIPSecTunnelTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecTunIfIndex | not-accessible | Yes | As per mib |
| h3cIPSecTunEntryIndex | not-accessible | Yes | 1-10000 are supported. |
| h3cIPSecTunIndex | not-accessible | Yes | 1-5000 are supported. |
| h3cIPSecTunIkeTunnelIndex | not-accessible | Yes | 1-50000 are supported |
| h3cIPSecTunLocalAddr | read-only | Yes | As per mib |
| h3cIPSecTunRemoteAddr | read-only | Yes | As per mib |
| h3cIPSecTunKeyType | read-only | Yes | As per mib |
| h3cIPSecTunEncapMode | read-only | Yes | As per mib |
| h3cIPSecTunInitiator | read-only | Yes | As per mib |
| h3cIPSecTunLifeSize | read-only | Yes | As per mib |
| h3cIPSecTunLifeTime | read-only | Yes | As per mib |
| h3cIPSecTunRemainTime | read-only | Yes | As per mib |
| h3cIPSecTunActiveTime | read-only | Yes | As per mib |
| h3cIPSecTunRemainSize | read-only | Yes | As per mib |
| h3cIPSecTunTotalRefreshes | read-only | Yes | As per mib |
| h3cIPSecTunCurrentSaInstances | read-only | Yes | As per mib |
| h3cIPSecTunInSaEncryptAlgo | read-only | Yes | As per mib |
| h3cIPSecTunInSaAhAuthAlgo | read-only | Yes | As per mib |
| h3cIPSecTunInSaEspAuthAlgo | read-only | Yes | As per mib |
| h3cIPSecTunDiffHellmanGrp | read-only | Yes | As per mib |
| h3cIPSecTunOutSaEncryptAlgo | read-only | Yes | As per mib |
| h3cIPSecTunOutSaAhAuthAlgo | read-only | Yes | As per mib |
| h3cIPSecTunOutSaEspAuthAlgo | read-only | Yes | As per mib |
| h3cIPSecTunPolicyName | read-only | Yes | As per mib |
| h3cIPSecTunPolicyNum | read-only | Yes | As per mib |
| h3cIPSecTunStatus | read-only | Yes | As per mib |

### h3cIPSecTunnelStatTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecTunInOctets | read-only | Yes | As per mib |
| h3cIPSecTunInDecompOctets | read-only | No | As per mib |
| h3cIPSecTunInPkts | read-only | Yes | As per mib |
| h3cIPSecTunInDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunInReplayDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunInAuthFails | read-only | Yes | As per mib |
| h3cIPSecTunInDecryptFails | read-only | Yes | As per mib |
| h3cIPSecTunOutOctets | read-only | Yes | As per mib |
| h3cIPSecTunOutUncompOctets | read-only | No | As per mib |
| h3cIPSecTunOutPkts | read-only | Yes | As per mib |
| h3cIPSecTunOutDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunOutEncryptFails | read-only | No | As per mib |
| h3cIPSecTunNoMemoryDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunQueueFullDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunInvalidLenDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunTooLongDropPkts | read-only | Yes | As per mib |
| h3cIPSecTunInvalidSaDropPkts | read-only | Yes | As per mib |

### h3cIPSecSaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecSaIndex | not-accessible | Yes | As per mib |
| h3cIPSecSaDirection | read-only | Yes | As per mib |
| h3cIPSecSaValue | read-only | Yes | As per mib |
| h3cIPSecSaProtocol | read-only | Yes | As per mib |
| h3cIPSecSaEncryptAlgo | read-only | Yes | As per mib |
| h3cIPSecSaAuthAlgo | read-only | Yes | As per mib |
| h3cIPSecSaStatus | read-only | Yes | As per mib |

### h3cIPSecTrafficTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecTrafficLocalType | read-only | Yes | As per mib |
| h3cIPSecTrafficLocalAddr1 | read-only | Yes | As per mib |
| h3cIPSecTrafficLocalAddr2 | read-only | Yes | As per mib |
| h3cIPSecTrafficLocalProtocol | read-only | Yes | As per mib |
| h3cIPSecTrafficLocalPort | read-only | Yes | As per mib |
| h3cIPSecTrafficRemoteType | read-only | Yes | As per mib |
| h3cIPSecTrafficRemoteAddr1 | read-only | Yes | As per mib |
| h3cIPSecTrafficRemoteAddr2 | read-only | Yes | As per mib |
| h3cIPSecTrafficRemoteProtocol | read-only | Yes | As per mib |
| h3cIPSecTrafficRemotePort | read-only | Yes | As per mib |

### h3cIPSecGlobalStats

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecGlobalActiveTunnels | read-only | Yes | As per mib |
| h3cIPSecGlobalActiveSas | read-only | Yes | As per mib |
| h3cIPSecGlobalInOctets | read-only | Yes | As per mib |
| h3cIPSecGlobalInDecompOctets | read-only | No | As per mib |
| h3cIPSecGlobalInPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalInDrops | read-only | Yes | As per mib |
| h3cIPSecGlobalInReplayDrops | read-only | Yes | As per mib |
| h3cIPSecGlobalInAuthFails | read-only | Yes | As per mib |
| h3cIPSecGlobalInDecryptFails | read-only | Yes | As per mib |
| h3cIPSecGlobalOutOctets | read-only | Yes | As per mib |
| h3cIPSecGlobalOutUncompOctets | read-only | No | As per mib |
| h3cIPSecGlobalOutPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalOutDrops | read-only | Yes | As per mib |
| h3cIPSecGlobalOutEncryptFails | read-only | No | As per mib |
| h3cIPSecGlobalNoMemoryDropPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalNoFindSaDropPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalQueueFullDropPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalInvalidLenDropPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalTooLongDropPkts | read-only | Yes | As per mib |
| h3cIPSecGlobalInvalidSaDropPkts | read-only | Yes | As per mib |

### h3cIPSecTrapCntl

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecTrapGlobalCntl | read-write | Yes | As per mib |
| h3cIPSecTunnelStartTrapCntl | read-write | Yes | As per mib |
| h3cIPSecTunnelStopTrapCntl | read-write | Yes | As per mib |
| h3cIPSecNoSaTrapCntl | read-write | Yes | As per mib |
| h3cIPSecAuthFailureTrapCntl | read-write | Yes | As per mib |
| h3cIPSecEncryFailureTrapCntl | read-write | Yes | As per mib |
| h3cIPSecDecryFailureTrapCntl | read-write | Yes | As per mib |
| h3cIPSecInvalidSaTrapCntl | read-write | Yes | As per mib |
| h3cIPSecPolicyAddTrapCntl | read-write | Yes | As per mib |
| h3cIPSecPolicyDelTrapCntl | read-write | Yes | As per mib |
| h3cIPSecPolicyAttachTrapCntl | read-write | Yes | As per mib |
| h3cIPSecPolicyDetachTrapCntl | read-write | Yes | As per mib |

### h3cIPsecTrapObject

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cIPSecPolicyName | accessible-for-notify | Yes | As per mib |
| h3cIPSecPolicySeqNum | accessible-for-notify | Yes | As per mib |
| h3cIPSecPolicySize | accessible-for-notify | Yes | As per mib |
| h3cIPSecSpiValue | accessible-for-notify | Yes | As per mib |

# A3COM-HUAWEI-ISDN-MIB

This is a private MIB, which is used to describe the features of calls on a B channel.

## hwChanbIsdnTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwChanbIsdnIf | read-only | Yes | this object is used to describe the virtual interface value associated with one neighbor. |
| hwChanbIsdnPermit | read-only | No | this object is used to describe the call permissions.Only support callBidirection(3) |
| hwChanbIsdnAddr | read-only | No | This object is used to describe the call address by which we call one neighbor. As to a call, it is always a called number. |
| hwChanbIsdnCallerAddr | read-only | No | This object is used to describe the address of caller which will be known by B channels. |
| hwChanbIsdnCallType | read-only | No | This object is used to describe whether it is an incoming or outgoing call |
| hwChanbIsdnInfoType | read-only | No | This object is used to describe the information type on the call. |
| hwChanbIsdnState | read-only | No | This object is used to manage the call by NMS. |
| hwChanbIsdnCallFreeReason | read-only | No | Not supproted |
| hwChanbIsdnCallFreeCode | read-only | No | Not supproted |
| hwChanbIsdnCallAccept | read-only | No | Not supproted |
| hwChanbIsdnCallReject | read-only | No | Not supproted |
| hwChanbIsdnCallSuccessq | read-only | No | Not supproted |
| hwChanbIsdnCallFailure | read-only | No | Not supproted |
| hwChanbIsdnMaxKeepTime | read-only | No | Not supproted |
| hwChanbIsdnLastKeepTime | read-only | No | Not supproted |
| hwChanbIsdnLastCallTime | read-only | No | Not supproted |

## Scalar object.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwChanbTrapEnable | read-write | Yes | Private leaf node of isdnChannelB .  This object is used to control sending trap |
| hwChanbIsdnCall (trap) | not-accessible | No | Private trap.  When one call is setup ,cleard or determined , the trap is sent to NMS.  It contains eight fields:  1: hwChanbIsdnIf  2: hwChanbIsdnAddr  3: hwChanbIsdnCallType  4: hwChanbIsdnCallerAddr  5: hwChanbIsdnInfoType  6: hwChanbIsdnLastKeepTime  7: hwChanbIsdnCallFreeReason  8: hwChanbIsdnCallFreeCode |

# A3COM-HUAWEI-MLSR-SYSTEM-MIB

## basis

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| version | read-only | No | As per mib |

## log

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| logcontroller | read-write | No | As per mib |

## loghostTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| loghostIndex | read-only | No | As per mib |
| loghostaddress | read-only | No | As per mib |
| loghostport | read-only | No | As per mib |
| loghostseverity | read-write | No | As per mib |
| loghostlanguage | read-write | No | As per mib |
| loghostfacility | read-write | No | As per mib |
| loghostaccess | read-write | No | As per mib |
| loghoststatus | read-write | No | As per mib |

## logfilterTable

This table is not supported now.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| logfilterIndex | read-only | No | As per mib |
| logdevfacility | read-only | No | As per mib |
| logfilterstatus | read-write | No | As per mib |

## moduleTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| moduleIndex | read-only | No | As per mib |
| moduleSlotNum | read-only | No | As per mib |
| moduleType | read-only | No | As per mib |
| moduleFirstPort | read-only | No | As per mib |
| moduleNumberOfPorts | read-only | No | As per mib |
| moduleVersion | read-only | No | As per mib |
| moduleSwVersion | read-only | No | As per mib |
| moduleHwVersion | read-only | No | As per mib |

## hwFlashMan

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwFlhTotalSize | read-only | No | As per mib |
| hwFlhUnusedSize | read-only | No | As per mib |
| hwFlhEraseTime | read-only | No | As per mib |
| hwFlhEraseStat | read-only | No | As per mib |
| hwFlhCurStat | read-only | No | As per mib |

## huaweiMixinfo

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwModuleId | read-only | No | As per mib |
| hwROMID | read-only | No | As per mib |
| hwROMVersion | read-only | No | As per mib |
| hwROMSysVersion | read-only | No | As per mib |
| hwRAMSize | read-only | No | As per mib |
| hwNVRAMSize | read-only | No | As per mib |
| hwNVRAMUsed | read-only | No | As per mib |
| hwConfigReg | read-only | No | As per mib |
| hwConfigRegNextReboot | read-only | No | As per mib |
| hwTFTPEnabled | read-only | No | As per mib |
| hwMemoryFree | read-only | No | As per mib |
| hwCpuCostRatePer5Sec | read-only | No | As per mib |
| hwCpuCostRatePer5Minute | read-only | No | As per mib |
| hwCurrentTime | read-only | No | As per mib |
| hwSysAirFlowTempIn | read-only | No | As per mib |
| hwBuzzerStatus | read-only | No | As per mib |
| hwFansStatus | read-only | No | As per mib |
| hwPowerStatus | read-only | No | As per mib |
| hwSecondPowerStatus | read-only | No | As per mib |

## huaweiMemoryMan

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUsedMemory | read-only | No | As per mib |
| hwFreeMemory | read-only | No | As per mib |
| hwMemoryLargestFree | read-only | No | As per mib |
| hwBuffer32Size | read-only | No | As per mib |
| hwBuffer32Total | read-only | No | As per mib |
| hwBuffer32Free | read-only | No | As per mib |
| hwBuffer32Used | read-only | No | As per mib |
| hwBuffer32DropCounts | read-only | No | As per mib |
| hwBuffer32FreeError2 | read-only | No | As per mib |
| hwBuffer32FreeError3 | read-only | No | As per mib |
| hwBuffer32CollectCounts | read-only | No | As per mib |
| hwBuffer64Size | read-only | No | As per mib |
| hwBuffer64Total | read-only | No | As per mib |
| hwBuffer64Free | read-only | No | As per mib |
| hwBuffer64Used | read-only | No | As per mib |
| hwBuffer64DropCounts | read-only | No | As per mib |
| hwBuffer64FreeError2 | read-only | No | As per mib |
| hwBuffer64FreeError3 | read-only | No | As per mib |
| hwBuffer64CollectCounts | read-only | No | As per mib |
| hwBuffer128Size | read-only | No | As per mib |
| hwBuffer128Total | read-only | No | As per mib |
| hwBuffer128Free | read-only | No | As per mib |
| hwBuffer128Used | read-only | No | As per mib |
| hwBuffer128DropCounts | read-only | No | As per mib |
| hwBuffer128FreeError2 | read-only | No | As per mib |
| hwBuffer128FreeError3 | read-only | No | As per mib |
| hwBuffer128CollectCounts | read-only | No | As per mib |
| hwBuffer256Size | read-only | No | As per mib |
| hwBuffer256Total | read-only | No | As per mib |
| hwBuffer256Free | read-only | No | As per mib |
| hwBuffer256Used | read-only | No | As per mib |
| hwBuffer256DropCounts | read-only | No | As per mib |
| hwBuffer256FreeError2 | read-only | No | As per mib |
| hwBuffer256FreeError3 | read-only | No | As per mib |
| hwBuffer256CollectCounts | read-only | No | As per mib |
| hwBuffer512Size | read-only | No | As per mib |
| hwBuffer512Total | read-only | No | As per mib |
| hwBuffer512Free | read-only | No | As per mib |
| hwBuffer512Used | read-only | No | As per mib |
| hwBuffer512DropCounts | read-only | No | As per mib |
| hwBuffer512FreeError2 | read-only | No | As per mib |
| hwBuffer512FreeError3 | read-only | No | As per mib |
| hwBuffer512CollectCounts | read-only | No | As per mib |
| hwBuffer1024Size | read-only | No | As per mib |
| hwBuffer1024Total | read-only | No | As per mib |
| hwBuffer1024Free | read-only | No | As per mib |
| hwBuffer1024Used | read-only | No | As per mib |
| hwBuffer1024DropCounts | read-only | No | As per mib |
| hwBuffer1024FreeError2 | read-only | No | As per mib |
| hwBuffer1024FreeError3 | read-only | No | As per mib |
| hwBuffer1024CollectCounts | read-only | No | As per mib |
| hwBuffer2048Size | read-only | No | As per mib |
| hwBuffer2048Total | read-only | No | As per mib |
| hwBuffer2048Free | read-only | No | As per mib |
| hwBuffer2048Used | read-only | No | As per mib |
| hwBuffer2048DropCounts | read-only | No | As per mib |
| hwBuffer2048FreeError2 | read-only | No | As per mib |
| hwBuffer2048FreeError3 | read-only | No | As per mib |
| hwBuffer2048CollectCounts | read-only | No | As per mib |
| hwBuffer4096Size | read-only | No | As per mib |
| hwBuffer4096Total | read-only | No | As per mib |
| hwBuffer4096Free | read-only | No | As per mib |
| hwBuffer4096Used | read-only | No | As per mib |
| hwBuffer4096DropCounts | read-only | No | As per mib |
| hwBuffer4096FreeError2 | read-only | No | As per mib |
| hwBuffer4096FreeError3 | read-only | No | As per mib |
| hwBuffer4096CollectCounts | read-only | No | As per mib |
| hwBuffer8192Size | read-only | No | Not supported |
| hwBuffer8192Total | read-only | No | Not supported |
| hwBuffer8192Free | read-only | No | Not supported |
| hwBuffer8192Used | read-only | No | Not supported |
| hwBuffer8192DropCounts | read-only | No | Not supported |
| hwBuffer8192FreeError2 | read-only | No | Not supported |
| hwBuffer8192FreeError3 | read-only | No | Not supported |
| hwBuffer8192CollectCounts | read-only | No | Not supported |
| hwBuffer45KSize | read-only | No | Not supported |
| hwBuffer45KTotal | read-only | No | Not supported |
| hwBuffer45KFree | read-only | No | Not supported |
| hwBuffer45KUsed | read-only | No | Not supported |
| hwBuffer45KDropCounts | read-only | No | Not supported |
| hwBuffer45KFreeError2 | read-only | No | Not supported |
| hwBuffer45KFreeError3 | read-only | No | Not supported |
| hwBuffer45KCollectCounts | read-only | No | Not supported |
| hwBuffer256KSize | read-only | No | Not supported |
| hwBuffer256KTotal | read-only | No | Not supported |
| hwBuffer256KFree | read-only | No | Not supported |
| hwBuffer256KUsed | read-only | No | Not supported |
| hwBuffer256KDropCounts | read-only | No | Not supported |
| hwBuffer256KFreeError2 | read-only | No | Not supported |
| hwBuffer256KFreeError3 | read-only | No | Not supported |
| hwBuffer256KCollectCounts | read-only | No | Not supported |
| hwMemoryMallocFail | read-only | No | As per mib |
| hwMemoryMallocNoMem | read-only | No | As per mib |

## hwConfigFile

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwRunCfgChangedTime | read-only | No | As per mib |
| hwRunCfgSavedTime | read-only | No | As per mib |
| hwStartCfgChangedTime | read-only | No | As per mib |
| hwNetConfigName | read-only | No | As per mib |
| hwHostConfigName | read-only | No | As per mib |

## hwmSystem

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwmRouterSerialNO | read-only | No | As per mib |
| hwmWhyReboot | read-only | No | As per mib |
| hwmHostName | read-only | No | As per mib |
| hwmHostHwVersion | read-only | No | As per mib |

# A3COM-HUAWEI-MPLS-LDP-MIB

## hwMplsLdpLsrIncarnTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpLsrID | read-write | Yes | Now only support read operation |
| hwMplsLdpLsrLoopDetectionPresent | read-only | No | As per mib |
| hwMplsLdpLsrLoopDetectionAdminStatus | read-write | Yes | Now only support read operation |
| hwMplsLdpLsrPathVectorLimit | read-write | Yes | Now only support read operation |
| hwMplsLdpLsrHopCountLimit | read-write | Yes | Now only support read operation |
| hwMplsLdpLsrLoopPreventionPresent | read-only | No | As per mib |
| hwMplsLdpLsrLoopPreventionAdminStatus | read-write | No | Now only support read operation |
| hwMplsLdpLsrLabelRetentionMode | read-write | No | Now only support read operation |
| hwMplsLdpLsrIncarnID | read-only | No | As per mib |
| hwMplsLdpLsrMaxLdpEntities | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxLocalPeers | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxRemotePeers | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxIfaces | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxLsps | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxCrlspTnls | read-write | No | Now only support read operation |
| hwMplsLdpLsrMaxErhopPerCrlspTnl | read-write | No | Now only support read operation |
| hwMplsLdpLsrRowStatus | read-create | No | Now only support read operation |
| hwMplsLdpLsrMaxVcmCapability | read-write | No | Now only support read operation |
| hwMplsLdpLsrVcmPathVecInAllLblMapPresent | read-write | No | Now only support read operation |
| hwMplsLdpLsrRequestRetrytimerValue | read-write | No | Now only support read operation |
| hwMplsLdpLsrNumOfRequestRetryAttempts | read-write | No | Now only support read operation |

## hwMplsLdpEntityTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpEntityID | accessible-for-notify | No | Now only support read operation |
| hwMplsLdpEntityLabelSpaceType | read-create | No | Now only support read operation |
| hwMplsLdpEntityDefVpi | read-create | No | Now only support read operation |
| hwMplsLdpEntityDefVci | read-create | No | Now only support read operation |
| hwMplsLdpEntityUnlabTrafVpi | read-create | No | Now only support read operation |
| hwMplsLdpEntityUnlabTrafVci | read-create | No | Now only support read operation |
| hwMplsLdpEntityMergeCapability | read-create | No | Now only support read operation.  Current merge capablity means common label merge capability. Not a vci or vpi merge |
| hwMplsLdpEntityVcDirectionality | read-create | No | Now only support read operation |
| hwMplsLdpEntityWellKnownDiscoveryPort | read-create | No | Now only support read operation |
| hwMplsLdpEntityMtu | read-create | No | Now only support read operation |
| hwMplsLdpEntityKeepAliveHoldTimer | read-create | Yes | Now only support read operation |
| hwMplsLdpEntityFailedInitSessionThreshold | read-create | No | Now only support read operation |
| hwMplsLdpEntityLabelDistributionMethod | read-create | No | Now only support read operation |
| hwMplsLdpEntityLabelAllocationMethod | read-create | No | Now only support read operation |
| hwMplsLdpEntityHelloHoldTimer | read-create | Yes | Now only support read operation |
| hwMplsLdpEntityRowStatus | read-create | No | Now only support read operation |

## hwMplsLdpEntityIfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpEntityIfIndex | not-accessible | No | Now only support read operation |
| hwMplsLdpEntityIfIpv4Address | read-create | No | Now only support read operation |
| hwMplsLdpEntityIfRowStatus | read-create | No | Now only support read operation |

## hwMplsLdpEntityConfAtmLabelRangeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpEntityConfAtmLabelRangeLowerBoundVPI | not-accessible | No | As per mib |
| hwMplsLdpEntityConfAtmLabelRangeLowerBoundVCI | not-accessible | No | As per mib |
| hwMplsLdpEntityConfAtmLabelRangeUpperBoundVPI | read-create | No | Now only support read operation |
| hwMplsLdpEntityConfAtmLabelRangeUpperBoundVCI | read-create | No | Now only support read operation |
| hwMplsLdpEntityConfAtmLabelRangeRowStatus | read-create | No | Now only support read operation |

## hwMplsLdpEntityStatsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpAttemptedSessions | read-only | No | As per mib |

## hwMplsLdpPeerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpPeerIndex | not-accessible | No | Now only support read operation |
| hwMplsLdpPeerID | read-create | No | Now only support read operation |
| hwMplsLdpPeerInternetworkAddrType | read-create | No | Now only support read operation |
| hwMplsLdpPeerInternetworkAddr | read-create | No | Now only support read operation |
| hwMplsLdpPeerDefaultMtu | read-create | No | Now only support read operation |
| hwMplsLdpPeerKeepAliveHoldTimer | read-create | No | Now only support read operation |
| hwMplsLdpPeerLabelDistributionMethod | read-create | No | Now only support read operation |
| hwMplsLdpPeerType | read-create | No | Now only support read operation |
| hwMplsLdpPeerRowStatus | read-create | No | Now only support read operation |

## hwMplsLdpPeerConfAtmLabelRangeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpPeerConfAtmLabelRangeLowerBoundVPI | not-accessible | No | As per mib |
| hwMplsLdpPeerConfAtmLabelRangeLowerBoundVCI | not-accessible | No | As per mib |
| hwMplsLdpPeerConfAtmLabelRangeUpperBoundVPI | read-only | No | As per mib |
| hwMplsLdpPeerConfAtmLabelRangeUpperBoundVCI | read-only | No | As per mib |

## hwMplsLdpSessionTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpSessionIndex | not-accessible | No | As per mib |
| hwMplsLdpSessionID | read-only | No | As per mib |
| hwMplsLdpSessionProtocolVersion | read-only | No | As per mib |
| hwMplsLdpSessionKeepAliveHoldTimeRemaining | read-only | No | As per mib |
| hwMplsLdpSessionRole | read-only | No | As per mib |
| hwMplsLdpSessionState | read-only | No | As per mib |
| hwMplsLdpSessionAtmLabelRangeLowerBoundVPI | read-only | No | As per mib |
| hwMplsLdpSessionAtmLabelRangeLowerBoundVCI | read-only | No | As per mib |
| hwMplsLdpSessionAtmLabelRangeUpperBoundVPI | read-only | No | As per mib |
| hwMplsLdpSessionAtmLabelRangeUpperBoundVCI | read-only | No | As per mib |

## hwMplsLdpHelloAdjacencyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpHelloAdjacencyIndex | not-accessible | No | Not supported |
| hwMplsLdpHelloAdjacencyHoldTimeRemaining | read-only | No | Not supported |

## hwMplsLdpCrlspTnlTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpCrlspTnlIndex | not-accessible | No | As per mib |
| hwMplsLdpCrlspTnlName | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlDirection | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlSignallingProto | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlSetupPrio | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlHoldingPrio | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlPeakDataRate | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlPeakBurstSize | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlCommittedDataRate | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlCommittedBurstSize | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlExcessBurstSize | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlIsPinned | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlFrequency | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlWeight | read-create | No | Now only support read operation |
| hwMplsLdpCrlspTnlRowStatus | read-create | No | Now only support read operation |

## hwMplsLdpCrlspErHopTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpCrlspErHopIndex | not-accessible | No | As per mib |
| hwMplsLdpCrlspErHopAddrType | read-create | No | Now only support read operation |
| hwMplsLdpCrlspErHopIpv4Addr | read-create | No | Now only support read operation |
| hwMplsLdpCrlspErHopIpv4PrefixLen | read-create | No | Now only support read operation |
| hwMplsLdpCrlspErHopStrictOrLoose | read-create | No | Now only support read operation |
| hwMplsLdpCrlspErHopRowStatus | read-create | No | Now only support read operation |

## Notifications

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwMplsLdpFailedInitSessionThresholdExceeded | NA | No | Not supported |
| hwMplsLdpCrlspTunnelUp | NA | No | Not supported |
| hwMplsLdpCrlspTunnelDown | NA | No | Not supported |
| hwMplsLdpCrlspTunnelSetupFailure | NA | No | Not supported |
| hwMplsLdpIncarnUpEventFailure | NA | No | Not supported |
| hwMplsLdpIncarnDownEventFailure | NA | No | Not supported |
| hwMplsLdpEntityUpEventFailure | NA | No | Not supported |
| hwMplsLdpEntityDownEventFailure | NA | No | Not supported |
| hwMplsLdpSessionUpEventFailure | NA | No | As per MIB |
| hwMplsLdpSessionDownEventFailure | NA | No | As per MIB |

# A3COM-HUAWEI-MPLS-LSR-MIB

## mplsInterfaceConfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsInterfaceConfIndex | not-accessible | No | As per mib |
| mplsInterfaceLabelMinIn | read-only | No | As per mib |
| mplsInterfaceLabelMaxIn | read-only | No | As per mib |
| mplsInterfaceLabelMinOut | read-only | No | As per mib |
| mplsInterfaceLabelMaxOut | read-only | No | As per mib |
| mplsInterfaceTotalBandwidth | read-only | No | As per mib |
| mplsInterfaceAvailableBandwidth | read-only | No | As per mib |
| mplsInterfaceLabelParticipationType | read-only | No | As per mib |
| mplsInterfaceConfStorageType | read-create | No | Now only support read operation |

## mplsInterfacePerfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsInterfaceInLabelsUsed | read-only | No | As per mib |
| mplsInterfaceFailedLabelLookup | read-only | No | As per mib |
| mplsInterfaceOutLabelsUsed | read-only | No | As per mib |
| mplsInterfaceOutFragments | read-only | No | As per mib |

## mplsInSegmentTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsInSegmentIfIndex | accessible-for-notify | No | As per mib |
| mplsInSegmentLabel | accessible-for-notify | No | As per mib |
| mplsInSegmentNPop | read-create | No | Now only support read operation |
| mplsInSegmentAddrFamily | read-create | No | Now only support read operation |
| mplsInSegmentXCIndex | read-only | No | As per mib |
| mplsInSegmentOwner | read-create | No | Now only support read operation |
| mplsInSegmentTrafficParamPtr | read-create | No | Now only support read operation |
| mplsInSegmentRowStatus | read-create | No | Now only support read operation |
| mplsInSegmentStorageType | read-create | No | Now only support read operation |

## mplsInSegmentPerfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsInSegmentOctets | read-only | No | As per mib |
| mplsInSegmentPackets | read-only | No | As per mib |
| mplsInSegmentErrors | read-only | No | As per mib |
| mplsInSegmentDiscards | read-only | No | As per mib |
| mplsInSegmentHCOctets | read-only | No | As per mib |
| mplsInSegmentPerfDiscontinuityTime | read-only | No | As per mib |

## mplsOutSegmentTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsOutSegmentIndex | accessible-for-notify | No | As per mib |
| mplsOutSegmentIfIndex | read-create | No | Now only support read operation |
| mplsOutSegmentPushTopLabel | read-create | No | Now only support read operation |
| mplsOutSegmentTopLabel | read-create | No | Now only support read operation |
| mplsOutSegmentNextHopIpAddrType | read-create | No | Now only support read operation |
| mplsOutSegmentNextHopIpv4Addr | read-create | No | Now only support read operation |
| mplsOutSegmentNextHopIpv6Addr | read-create | No | Now only support read operation |
| mplsOutSegmentXCIndex | read-only | No | As per mib |
| mplsOutSegmentOwner | read-create | No | Now only support read operation |
| mplsOutSegmentTrafficParamPtr | read-create | No | Now only support read operation |
| mplsOutSegmentRowStatus | read-create | No | Now only support read operation |
| mplsOutSegmentStorageType | read-create | No | Now only support read operation |

## mplsOutSegmentPerfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsOutSegmentOctets | read-only | No | As per mib |
| mplsOutSegmentPackets | read-only | No | As per mib |
| mplsOutSegmentErrors | read-only | No | As per mib |
| mplsOutSegmentDiscards | read-only | No | As per mib |
| mplsOutSegmentHCOctets | read-only | No | As per mib |
| mplsOutSegmentPerfDiscontinuityTime | read-only | No | As per mib |

## mplsXCTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsXCIndex | accessible-for-notify | No | As per mib |
| mplsXCLspId | read-create | No | Now only support read operation |
| mplsXCLabelStackIndex | read-create | No | Now only support read operation |
| mplsXCIsPersistent | read-create | No | Now only support read operation |
| mplsXCOwner | read-create | No | Now only support read operation |
| mplsXCRowStatus | read-create | No | Now only support read operation |
| mplsXCStorageType | read-create | No | Now only support read operation |
| mplsXCAdminStatus | read-create | No | Now only support read operation |
| mplsXCOperStatus | read-only | No | As per mib |

## mplsLabelStackTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsLabelStackIndex | not-accessible | No | As per mib |
| mplsLabelStackLabelIndex | not-accessible | No | As per mib |
| mplsLabelStackLabel | read-create | No | Now only support read operation |
| mplsLabelStackRowStatus | read-create | No | Now only support read operation |
| mplsLabelStackStorageType | read-create | No | Now only support read operation |

## mplsTrafficParamTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsTrafficParamIndex | not-accessible | No | As per mib |
| mplsTrafficParamMaxRate | read-create | No | Now only support read operation |
| mplsTrafficParamMeanRate | read-create | No | Now only support read operation |
| mplsTrafficParamMaxBurstSize | read-create | No | Now only support read operation |
| mplsTrafficParamRowStatus | read-create | No | Now only support read operation |
| mplsTrafficParamStorageType | read-create | No | Now only support read operation |

## Notification

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsXCUp | NA | No | As per MIB |
| mplsXCDown | NA | No | As per MIB |

# A3COM-HUAWEI-MPLS-BGP-VPN-MIB

## mplsVpnScalars

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnConfiguredVrfs | read-only | No | As per mib |
| mplsVpnActiveVrfs | read-only | No | As per mib |

## mplsVpnInterfaceConfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnInterfaceConfIndex | read-only | No | As per mib |
| mplsVpnInterfaceLabelEdgeType | read-only | No | As per mib |
| mplsVpnInterfaceVpnClassification | read-only | No | As per mib |
| mplsVpnInterfaceIpAddress | read-create | Yes | Now only support read operation |
| mplsVpnInterfaceIpAddressMask | read-create | Yes | Now only support read operation |
| mplsVpnInterfaceConfRowStatus | read-create | No | Now only support read operation |

## mplsVpnVrfConfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnVrfName | read-only | Yes | As per mib |
| mplsVpnVrfRouteDistinguisher | read-create | Yes | Now only support read operation |
| mplsVpnVrfNetPrefixType | read-only | No | As per mib |
| mplsVpnVrfNetPrefix | read-only | No | As per mib |
| mplsVpnVrfIpRouteRedistributeConn | read-create | No | Now only support read operation |
| mplsVpnVrfIpRouteRedistributeStatic | read-create | No | Now only support read operation |
| mplsVpnVrfIpRouteRedistributeRip | read-create | No | Now only support read operation |
| mplsVpnVrfConfHighRouteThreshold | read-create | Yes | Now only support read operation |
| mplsVpnVrfConfIsWarnOnly | read-create | Yes | Now only support read operation |
| mplsVpnVrfConfMaxRoutes | read-create | Yes | Now only support read operation |
| mplsVpnVrfConfRowStatus | read-create | No | Now only support read operation |

## mplsVpnVrfRouteTargetTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnVrfRouteTarget | read-only | Yes | As per mib |
| mplsVpnVrfRouteTargetType | read-only | Yes | As per mib |
| mplsVpnVrfRouteTargetRowStatus | read-create | No | Now only support read operation |

## mplsVpnVrfBgpNbrAddrTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnVrfBgpNbrAddr | read-only | Yes | As per mib |
| mplsVpnVrfBgpNbrRole | read-create | No | Now only support read operation |
| mplsVpnVrfBgpNbrType | read-create | No | Now only support read operation |
| mplsVpnVrfBgpNbrAsNumber | read-create | Yes | Now only support read operation |
| mplsVpnVrfBgpNbrAdminStatus | read-create | No | Now only support read operation |
| mplsVpnVrfBgpNbrRowStatus | read-create | No | Now only support read operation |

## mplsVpnVrfRouteTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| mplsVpnVrfRouteDest | read-only | Yes | As per mib |
| mplsVpnVrfRouteMask | read-create | Yes | Now only support read operation |
| mplsVpnVrfRouteNextHop | read-only | Yes | Now only support read operation |
| mplsVpnVrfRouteIfIndex | read-create | Yes | Now only support read operation |
| mplsVpnVrfRouteProto | read-create | Yes | Now only support read operation |
| mplsVpnVrfRouteRowStatus | read-create | No | Now only support read operation |

# A3COM-HUAWEI-NAT-MIB

This MIB contains objects to manage configuration of Nat. All the parameters change events can be managed by this MIB.

## h3cNATClearSession

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATClearSessionSlotNo | read-write | Yes | Not supported |

## h3cNATBLConnectLimitPara

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATBLConnectHighValue | read-write | No | Not supported |
| h3cNATBLConnectLowValue | read-write | No | Not supported |
| h3cNATBLConnectHighRate | read-write | No | Not supported |
| h3cNATBLConnectLowRate | read-write | No | Not supported |
| h3cNATBLSpecialConnectHighRate | read-write | No | Not supported |
| h3cNATBLSpecialConnectLowRate | read-write | No | Not supported |

## h3cNATBLCtrlEnable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATBLConnectSumEnable | read-write | No | Not supported |
| h3cNATBLConnectRateEnable | read-write | No | Not supported |

## h3cNATNPTimer

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATNPAgingTime | read-write | No | Not supported |

## h3cNATPoolInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATPoolIdx | not-accessible | No | The value of this node is one more than the index of address-group. The max value is 32. |
| h3cNATPoolStartIpAddr | read-create | No | As per mib |
| h3cNATPoolEndIpAddr | read-create | No | As per mib |
| h3cNATPoolSlotNo | read-create | No | As per mib |
| h3cNATPoolRefCounter | read-create | No | Only support “get” and “get-next” operation. |
| h3cNATPoolRowStatus | read-create | No | As per mib |

## h3cNatOutboundTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| IfIndex | not-accessible | No | As per mib |
| h3cNATOutboundAclNo | not-accessible | No | As per mib |
| h3cNATOutboundPoolIdx | read-create | No | As per mib |
| h3cNATOutboundIsNoPat | read-create | No | As per mib |
| h3cNATOutboundSlotNo | read-create | No | As per mib |
| h3cNATOutboundRowStatus | read-create | No | As per mib |

## h3cNATServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS |  |
| IfIndex | not-accessible | No | As per mib |
| h3cNATServerProType | not-accessible | No | As per mib |
| h3cNATServerGlobalIP | not-accessible | No | As per mib |
| h3cNATServerStartGlobalPort | not-accessible | No | As per mib |
| h3cNATServerEndGlobalPort | read-create | No | As per mib |
| h3cNATServerStartInsideIP | read-create | No | As per mib |
| h3cNATServerEndInsideIP | read-create | No | As per mib |
| h3cNATServerInsidePort | read-create | No | As per mib |
| h3cNATServerSlotNo | read-create | No | As per mib |
| h3cNATServerVpnIndex | read-create | No | As per mib |
| h3cNATServerAclNumber | read-create | No | As per mib |
| h3cNATServerRowStatus | read-create | No | As per mib |

## h3cNATTimeOutTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATTimeOutProtocol | not-accessible | No | As per mib |
| h3cNATTimeOutTimeValue | read-write | No | As per mib |

## h3cNATBLEnableTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATBLEnableSlotNo | not-accessible | No | Not supported |
| h3cNATBLEnable | read-write | No | Not supported |

## h3cNATBLIPConnectLimitParaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATBLIPConnectLimitParaIP | not-accessible | No | Not supported |
| h3cNATBLIPConnectHighValue | read-create | No | Not supported |
| h3cNATBLIPConnectLowValue | read-create | No | Not supported |
| h3cNATBLIPUseSpecialConnectRate | read-create | No | Not supported |
| h3cNATBLIPConnectLimitRowStatus | read-create | No | Not supported |

## h3cNATBLManagerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATBLIpAdress | not-accessible | No | Not supported |
| h3cNATBLIPConnectHighValue | not-accessible | No | Not supported |
| h3cNATBLConSum | read-only | No | Not supported |
| h3cNATBLConSpd | read-only | No | Not supported |

## h3cNATStatTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATStatNATBoardNo | not-accessible | No | As per mib |
| h3cNATStatActiveTblCount | read-only | No | As per mib |
| h3cNATStatActiveTblCountInNP | read-only | No | Not supported |
| h3cNATStatActiveNatTblCount | read-only | No | As per mib |
| h3cNATStatActiveSvrTblCount | read-only | No | As per mib |
| h3cNATStatActivePoolTblCount | read-only | No | As per mib |
| h3cNATStatNumOfUsedPort | read-only | No | Not supported |
| h3cNATStatNumOfGoodPkt | read-only | No | Not supported |
| h3cNATStatNumOfBadPkt | read-only | No | Not supported |
| h3cNATStaticSessionCount | read-only | No | As per mib |
| h3cNATFragementSessionCount | read-only | No | As per mib |
| h3cNATSequenceSessionCount | read-only | No | As per mib |
| h3cNATLogCount | read-only | No | As per mib |

## h3cNATSessionTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATSessionHashNumber | not-accessible | No | As per mib |
| h3cNATSessionProtocol | not-accessible | No | As per mib |
| h3cNATSessionGlobalIP | read-only | No | As per mib |
| h3cNATSessionGlobalPort | read-only | No | As per mib |
| h3cNATSessionInsideIP | not-accessible | No | As per mib |
| h3cNATSessionInsidePort | not-accessible | No | As per mib |
| h3cNATSessionPeerIP | not-accessible | No | As per mib |
| h3cNATSessionPeerPort | not-accessible | No | As per mib |
| h3cNATSessionVpnIndex | not-accessible | No | As per mib |
| h3cNATSessionTTL | read-only | No | As per mib |
| h3cNATSessionStatus | read-only | No | As per mib |
| h3cNATSessionLeftTime | read-only | No | As per mib |

## h3cNATStaticConfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| IfIndex | not-accessible | No | As per mib |
| h3cNATStaticInsideIp | not-accessible | No | As per mib |
| h3cNATStaticGlobalIp | read-create | No | As per mib |
| h3cNATStaticRowStatus | read-create | No | As per mib |

## h3cNATStaticEnableTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| IfIndex | not-accessible | No | As per mib |
| h3cNATStaticEnable | read-write | No | As per mib |

## h3cNATDnsMapTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cNATDnsMapDomainName | not-accessible | No | As per mib |
| h3cNATDnsMapGlobalIp | read-create | No | As per mib |
| h3cNATDnsMapGlobalPort | read-create | No | As per mib |
| h3cNATDnsMapProtocolType | read-create | No | When creating a new instance, this object must be set to 'typeTCP' or 'typeUDP'.Otherwise the system will return an error.  The value is “{ "typeTCP" , 1 } “ or “{ "typeUDP" , 2 }”.  The “any(0)”is a invalid value. The system will return an error,if the “any(0)”is set. |
| h3cNATDnsMapLastUseTime | read-create | No | Only support “get” and “get-next” operation. |
| h3cNATDnsMapRowStatus | read-create | No | As per mib |

# A3COM-HUAWEI-NDEC-MIB

This MIB is defined for the ndec information management.

## hipsNDECSAListTable

The table containing the list of all SA entries configured on NDEC by the operator.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsPeerIpAddr | not-accessible | No | As per mib |
| hipsProtocol | not-accessible | No | As per mib |
| hipsSPI | not-accessible | No | As per mib |
| hipsEncAlgorithm | read-only | No | As per mib |
| hipsAuthAlgorithm | read-only | No | As per mib |
| hipsLocalIpAddr | read-only | No | As per mib |
| hipsSaLifeKBytes | read-only | No | As per mib |
| hipsSaLifeSecond | read-only | No | As per mib |
| hipsByCard | read-only | No | As per mib |
| hipsNegotiateSaMode | read-only | No | As per mib |
| hipsExpBytes | read-only | No | As per mib |
| hipsSoftBytes | read-only | No | As per mib |
| hipsExpTimeout | read-only | No | As per mib |
| hipsSoftTimeout | read-only | No | As per mib |

## hikeSATable

The table containing IKE SA entities configured on NDEC by the operator.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hikeConnId | not-accessible | No | As per mib |
| hikePeerIpAddr | read-only | No | As per mib |
| hikeFlag | read-only | No | As per mib |
| hikePhase | read-only | No | As per mib |
| hikeDoi | read-only | No | As per mib |
| hikeClearSA | read-write | No | Not supported |

## hipsIKEPolicyTable

The table containing the list of all ISAKMP policy entries configured by the operator.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsIsakmpPolPriority | not-accessible | No | As per mib |
| hipsIsakmpPolEncr | read-only | No | As per mib |
| hipsIsakmpPolHash | read-only | No | As per mib |
| hipsIsakmpPolAuth | read-only | No | As per mib |
| hipsIsakmpPolGroup | read-only | No | As per mib |
| hipsIsakmpPolLifetime | read-only | No | As per mib |

## hipsStaticCryptomapTable

The table is listing the member cryptomaps of the cryptomap sets that are configured on the managed entity.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsStaticCryptomapName | not-accessible | No | As per mib |
| hipsStaticCryptomapSN | not-accessible | No | As per mib |
| hipsStaticCryptomapNegMode | read-only | No | As per mib |
| hipsStaticCryptomapMatchAddr | read-only | No | As per mib |
| hipsStaticCryptomapPeerIpAddr | read-only | No | As per mib |
| hipsStaticCryptomapTransforName | read-only | No | As per mib |
| hipsStaticCryptomapLifetime | read-only | No | As per mib |
| hipsStaticCryptomapLifesize | read-only | No | As per mib |
| hipsStaticCryptomapLocalIpAddr | read-only | No | As per mib |
| hipsIfNameUsed | read-only | No | As per mib |
| hipsInAHSPI | read-only | No | As per mib |
| hipsInESPSPI | read-only | No | As per mib |
| hipsOutAHSPI | read-only | No | As per mib |
| hipsOutESPSPI | read-only | No | As per mib |
| hipsInAhHexKeyString | read-only | No | As per mib |
| hipsInEspCipherHexKeyString | read-only | No | As per mib |
| hipsInEspAuthenHexKeyString | read-only | No | As per mib |
| hipsInAhStringKeyString | read-only | No | As per mib |
| hipsInEspStringKeyString | read-only | No | As per mib |
| hipsOutAhHexKeyString | read-only | No | As per mib |
| hipsOutEspCipherHexKeyString | read-only | No | As per mib |
| hipsOutEspAuthenHexKeyString | read-only | No | As per mib |
| hipsOutAhStringKeyString | read-only | No | As per mib |
| hipsOutEspStringKeyString | read-only | No | As per mib |

## hipsTransformNameSetTable

The table is transform set.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsTransformName | not-accessible | No | As per mib |
| hipsTransformMode | read-only | No | As per mib |
| hipsTransformProtocol | read-only | No | As per mib |
| hipsAH | read-only | No | As per mib |
| hipsEespEn | read-only | No | As per mib |
| hipsEspAu | read-only | No | As per mib |
| hipsIsCardTransform | read-only | No | As per mib |

## hipsNDECInfoTable

The table is NDEC set.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsCardSlot | not-accessible | No | As per mib |
| hipsInPac | read-only | No | As per mib |
| hipsOutPac | read-only | No | As per mib |
| hipsInByte | read-only | No | As per mib |
| hipsInByte | read-only | No | As per mib |
| hipsDropPac | read-only | No | As per mib |
| hipsCardStatus | read-only | No | As per mib |
| hipsCardHardVer | read-only | No | As per mib |
| hipsCardSoftVer | read-only | No | As per mib |
| hipsCardCPLDVer | read-only | No | As per mib |
| hipsCardOperate | read-write | No | Only support cardReset |
| hipsDropPacInUnitTime | read-only | No | As per mib |

## hipsNDECLeaf

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hipsNDECConnections | read-only | No | As per mib |
| hipsNDECBackup | read-write | No | As per mib |

# A3COM-HUAWEI-NQA-MIB

## Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaMIBVersion | read-only | Yes | As per mib |
| hwNqaAgentEnable | read-write | Yes | As per mib |
| hwNqaServerEnable | read-write | Yes | As per mib |
| hwNqaStatsMaxGroupNumber | read-only | Yes | As per mib |

## hwNqaCtlTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaCtlTargetPort | read-create | No | The range of h3cNqaCtlTargetPort is [0 50000] The default value is 0. |
| hwNqaCtlSourcePort | read-create | No | The range of h3cNqaCtlSourcePort is [0 50000] The default value is 0. |
| hwNqaCtlTTL | read-create | No | The range of h3cNqaCtlTTL is [1, 255] |
| hwNqaCtlJitterAdminInterval | read-create | No | The range of this object is [10,60000], the default value is 20. |
| hwNqaCtlJitterAdminNumPackets | read-create | No | If the corresponding h3cNqaCtlCodecType is defined, the range of this object is [10, 60000], and the default value is 1000.  If the corresponding h3cNqaCtlCodecType value is notDefined, the default value is 10, and the range of this object is [10, 1000] |
| hwNqaCtlHttpOperationType | read-create | No | As per mib |
| hwNqaCtlHttpOperationString | read-create | No | As per mib |
| hwNqaCtlFtpOperationType | read-create | No | As per mib |
| hwNqaCtlFtpUsername | read-create | No | As per mib |
| hwNqaCtlFtpPassword | read-create | No | As per mib |
| hwNqaCtlFtpOperationString | read-create | No | The length of h3cNqaCtlFtpOperationString is from 1 to 230 |
| hwNqaCtlVPNInstance | read-create | No | As per mib |
| hwNqaCtlHistoryKept | read-create | No | As per MIB |
| hwNqaCtlHistoryEnable | read-create | No | As per MIB |
| hwNqaCtlICPIFAdvFactor | read-create | No | The advantage factor depends on the type of access and how the service is to be used. This object will be used while calculating the ICPIF(Calculated Planning Impairment Factor) values. the range of this object is [0, 20] |
| hwNqaCtlCodecType | read-create | No | To indicate the codec type to be used with jitter probe. This is applicable only for the jitter probe. The corresponding pingCtlType shoulid be h3cNqajitter first. If the h3cNqaCtlCodecType is modified, the configuration of the corresponding entry will be changed to default configuration. |

## hwNqaResultsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaResultsRttNumDisconnects | read-only | No | As per mib |
| hwNqaResultsRttTimeouts | read-only | No | As per mib |
| hwNqaResultsRttBusies | read-only | No | As per mib |
| hwNqaResultsRttNoConnections | read-only | No | As per mib |
| hwNqaResultsRttDrops | read-only | No | As per mib |
| hwNqaResultsRttSequenceErrors | read-only | No | As per mib |
| hwNqaResultsRttStatsErrors | read-only | No | As per mib |
| hwNqaResultsMaxDelaySD | read-only | No | As per mib |
| hwNqaResultsMaxDelayDS | read-only | No | As per mib |
| hwNqaResultsLostPacketRatio | read-only | No | As per mib |
| hwNqaResultsPacketLateArrival | read-only | No | The value of this object indicates the number of the packets that arrived after the timeout. |
| hwNqaResultsRttSum | read-only | No | As per mib |
| hwNqaResultsNumOfDelaySD | read-only | No | As per mib |
| hwNqaResultsMinDelaySD | read-only | No | Not support |
| hwNqaResultsSumDelaySD | read-only | No | As per mib |
| hwNqaResultsSum2DelaySD | read-only | No | Not support |
| hwNqaResultsNumOfDelayDS | read-only | No | As per mib |
| hwNqaResultsMinDelayDS | read-only | No | Not support |
| hwNqaResultsSumDelayDS | read-only | No | As per mib |
| hwNqaResultsSum2DelayDS | read-only | No | As per mib |

## hwNqaJitterStatsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaJitterStatsNumOfRTT | read-only | No | As per mib |
| hwNqaJitterStatsMinOfPositivesSD | read-only | No | As per mib |
| hwNqaJitterStatsMaxOfPositivesSD | read-only | No | As per mib |
| hwNqaJitterStatsNumOfPositivesSD | read-only | No | As per mib |
| hwNqaJitterStatsSumOfPositivesSD | read-only | No | As per mib |
| hwNqaJitterStatsSum2PositivesSD | read-only | No | As per mib |
| hwNqaJitterStatsMinOfNegativesSD | read-only | No | As per mib |
| hwNqaJitterStatsMaxOfNegativesSD | read-only | No | As per mib |
| hwNqaJitterStatsNumOfNegativesSD | read-only | No | As per mib |
| hwNqaJitterStatsSumOfNegativesSD | read-only | No | As per mib |
| hwNqaJitterStatsSum2NegativesSD | read-only | No | As per mib |
| hwNqaJitterStatsMinOfPositivesDS | read-only | No | As per mib |
| hwNqaJitterStatsMaxOfPositivesDS | read-only | No | As per mib |
| hwNqaJitterStatsNumOfPositivesDS | read-only | No | As per mib |
| hwNqaJitterStatsSumOfPositivesDS | read-only | No | As per mib |
| hwNqaJitterStatsSum2PositivesDS | read-only | No | As per mib |
| hwNqaJitterStatsMinOfNegativesDS | read-only | No | As per mib |
| hwNqaJitterStatsMaxOfNegativesDS | read-only | No | As per mib |
| hwNqaJitterStatsNumOfNegativesDS | read-only | No | As per mib |
| hwNqaJitterStatsSumOfNegativesDS | read-only | No | As per mib |
| hwNqaJitterStatsSum2NegativesDS | read-only | No | As per mib |
| hwNqaJitterStatsPacketLossSD | read-only | No | If the value of hwNqaCtlCodecType is icmpTimestamp, the object is not supported |
| hwNqaJitterStatsPacketLossDS | read-only | No | If the value of hwNqaCtlCodecType is icmpTimestamp, the object is not supported |
| hwNqaJitterStatsAvePositivesSD | read-only | No | As per MIB |
| hwNqaJitterStatsAveNegativesSD | read-only | No | As per MIB |
| hwNqaJitterStatsAvePositivesDS | read-only | No | As per MIB |
| hwNqaJitterStatsAveNegativesDS | read-only | No | As per MIB |
| hwNqaJitterStatsPktLossUnknown | read-only | No | If the value of hwNqaCtlCodecType is icmpTimestamp, the object is not supported |
| hwNqaJitterStatsOperOfICPIF | read-only | No | The ICPIF (Calculated Planning Impairment Factor) values for the latest jitter test. |
| hwNqaJitterStatsOperOfMOS | read-only | No | The MOS (Mean Opinion Score) values for the latest jitter test in hundreds. |

## hwNqaTcpServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaTcpServerIpAddress | not-accessible | No | As per mib |
| hwNqaTcpServerPort | not-accessible | No | The range of h3cNqaTcpServerPort is [0 50000] |
| hwNqaTcpServerRowStatus | read-create | No | As per mib |

## hwNqaUdpServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaUdpServerIpAddress | not-accessible | No | As per mib |
| hwNqaUdpServerPort | not-accessible | No | The range of h3cNqaTcpServerPort is [0 49999] |
| hwNqaUdpServerRowStatus | read-create | No | As per mib |

## hwNqaStatisticsResultsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaStatResIndex | not-accessible | No | As per MIB |
| hwNqaStatResIpTargetAddressType | read-only | No | ipv4 is supported. |
| hwNqaStatResIpTargetAddress | read-only | No | This objects reports the IP address associated. |
| hwNqaStatResMinRtt | read-only | No | As per MIB |
| hwNqaStatResMaxRtt | read-only | No | As per MIB |
| hwNqaStatResAverageRtt | read-only | No | As per MIB |
| hwNqaStatResProbeResponses | read-only | No | As per MIB |
| hwNqaStatResSentProbes | read-only | No | As per MIB |
| hwNqaStatResRttSumOfSquares | read-only | No | As per MIB |
| hwNqaStatResStartTime | read-only | No | As per MIB |
| hwNqaStatResInterval | read-only | No | As per MIB |
| hwNqaStatResRttNumDisconnects | read-only | No | As per MIB |
| hwNqaStatResRttTimeouts | read-only | No | As per MIB |
| hwNqaStatResRttBusies | read-only | No | As per MIB |
| hwNqaStatResRttNoConnections | read-only | No | As per MIB |
| hwNqaStatResRttDrops | read-only | No | As per MIB |
| hwNqaStatResRttSequenceErrors | read-only | No | As per MIB |
| hwNqaStatResRttErrors | read-only | No | As per MIB |
| hwNqaStatResLostPacketRatio | read-only | No | As per MIB |
| hwNqaStatResPacketLateArrival | read-only | No | The value of this object reflects the number of the packets that arrived after the timeout. |
| hwNqaStatResRttSum | read-only | No | As per mib |
| hwNqaStatResNumOfDelaySD | read-only | No | As per mib |
| hwNqaStatResMinDelaySD | read-only | No | Not support |
| hwNqaStatResMaxDelaySD | read-only | No | Not support |
| hwNqaStatResSumDelaySD | read-only | No | As per mib |
| hwNqaStatResSum2DelaySD | read-only | No | Not support |
| hwNqaStatResNumOfDelayDS | read-only | No | As per mib |
| hwNqaStatResMinDelayDS | read-only | No | Not support |
| hwNqaStatResMaxDelayDS | read-only | No | Not support |
| hwNqaStatResSumDelayDS | read-only | No | As per mib |
| hwNqaStatResSum2DelayDS | read-only | No | Not support |

## hwNqaGroupStatsJitterTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaStatJitterIndex | not-accessible | No | As per MIB |
| hwNqaStatJitterMinOfPosSD | read-only | No | As per MIB |
| hwNqaStatJitterMaxOfPosSD | read-only | No | As per MIB |
| hwNqaStatJitterNumOfPosSD | read-only | No | As per MIB |
| hwNqaStatJitterSumOfPosSD | read-only | No | As per MIB |
| hwNqaStatJitterSumOfSquarePosSD | read-only | No | As per MIB |
| hwNqaStatJitterMinOfNegSD | read-only | No | As per MIB |
| hwNqaStatJitterMaxOfNegSD | read-only | No | As per MIB |
| hwNqaStatJitterNumOfNegSD | read-only | No | As per MIB |
| hwNqaStatJitterSumOfNegSD | read-only | No | As per MIB |
| hwNqaStatJitterSumOfSquareNegSD | read-only | No | As per MIB |
| hwNqaStatJitterMinOfPosDS | read-only | No | As per MIB |
| hwNqaStatJitterMaxOfPosDS | read-only | No | As per MIB |
| hwNqaStatJitterNumOfPosDS | read-only | No | As per MIB |
| hwNqaStatJitterSumOfPosDS | read-only | No | As per MIB |
| hwNqaStatJitterSumOfSquarePosDS | read-only | No | As per MIB |
| hwNqaStatJitterMinOfNegDS | read-only | No | As per MIB |
| hwNqaStatJitterMaxOfNegDS | read-only | No | As per MIB |
| hwNqaStatJitterNumOfNegDS | read-only | No | As per MIB |
| hwNqaStatJitterSumOfNegDS | read-only | No | As per MIB |
| hwNqaStatJitterSumOfSquareNegDS | read-only | No | As per MIB |
| hwNqaStatJitterPacketLossSD | read-only | No | As per MIB |
| hwNqaStatJitterPacketLossDS | read-only | No | As per MIB |
| hwNqaStatJitterAvePosSD | read-only | No | As per MIB |
| hwNqaStatJitterAveNegSD | read-only | No | As per MIB |
| hwNqaStatJitterAvePosDS | read-only | No | As per MIB |
| hwNqaStatJitterAveNegDS | read-only | No | As per MIB |
| hwNqaStatJitterPktLossUnknown | read-only | No | As per MIB |
| hwNqaStatJitterMaxOfICPIF | read-only | No | The maximum of all ICPIF values in a statistic cycle for jitter test. |
| hwNqaStatJitterMinOfICPIF | read-only | No | The minimum of all ICPIF values in a statistic cycle for jitter test. |
| hwNqaStatJitterMaxOfMOS | read-only | No | The maximum of all MOS values in a statistic cycle for jitter test in hundreds. |
| hwNqaStatJitterMinOfMOS | read-only | No | The minimum of all MOS values in a statistic cycle for jitter test in hundreds. |

## hwNqaStatisticsCtlTable

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Access** | **PDS** | **Description** |
| hwNqaCtlStatisticsInterval | read-create | No | The range of of this value is [0, 35791394]. The default value is 60. |
| hwNqaCtlStatisticsGroupNumber | read-create | No | The length of hwNqaCtlStatisticsGroupNumber is from 1 to hwNqaCtlMaxGroupNumber |
| hwNqaCtlStatisticsKeptTime | read-create | No | As per MIB |
| hwNqaCtlBeginTime | read-create | No | The time when the test will starts. The default value is all zero. The configuration of all zero means that if hwNqaCtlLifeTime is not zero the test will start right now. But if the value of hwNqaCtlLifeTime is not zero, it can not be configured. |
| hwNqaCtlLifeTime | read-create | No | The time that the test lasts. The default value is zero. If it isn't configured, the test would never begin. And the value of zero means cancel the configuration.  Notes: If the value of this node is not zero, the value of all the nodes in pingCtlTable except for pingCtlOwnerIndex, pingCtlTestName, pingCtlDescr can’t be modified. And hwNqaCtlTable, hwNqaStatisticsCtlTable also can’t be modified. |

Notes:

If nodes in pingCtlTable except for pingCtlOwnerIndex, pingCtlTestName, pingCtlDescr and all the nodes except for hwNqaCtlHistoryKeptTime and hwNqaCtlHistoryEnable in hwNqaCtlTable is modified , all the history records and statistic records will be deleted. If the value of pingCtlAdminStatus in pingCtlTable is 1, the nodes in pingCtlTable except for pingCtlOwnerIndex, pingCtlTestName, pingCtlDescr can’t be modified. And hwNqaCtlTable, hwNqaStatisticsCtlTable also can’t be modified.

The return value of Generic Error means some other node is not SET or the value can’t be modified in such configuration circumstance.

## hwNqaReactionTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNqaReactOwnerIndex | accessible-for-notify | No | As per mib |
| hwNqaReactTestName | accessible-for-notify | No | As per mib |
| hwNqaReactItemIndex | accessible-for-notify | No | As per mib |
| hwNqaReactCheckedElement | read-create | No | As per mib |
| hwNqaReactThresholdUpperLimit | read-create | No | The value range is:  [0, 60000]: If the hwNqaReactionCheckedElement is probetime, jitterrtt, jittersd, or jitterds The unit is millisecond.  [1, 100]: If the hwNqaReactionCheckedElement is icpif  [1, 500]: If the hwNqaReactionCheckedElement is mos  The value of this object is zero if the hwNqaReactionCheckedElement is specified as probefailure, jitterpacketloss. |
| hwNqaReactThresholdLowerLimit | read-create | No | The value range is:  [0, 60000]: If the hwNqaReactionCheckedElement is probetime, jitterrtt, jittersd, or jitterds  The unit is millisecond.  [1, 100]:If the hwNqaReactionCheckedElement is icpif  [1, 500]: If the hwNqaReactionCheckedElement is mos  The value of this object is zero if the hwNqaReactionCheckedElement is specified as probefailure, jitterpacketloss. |
| hwNqaReactThresholdType | read-create | No | invalid (0): if the hwNqaReactCheckedElement is icpif or mos ,the value of this object is ‘invalid’.  The value of ‘invalid’ for this object means invalid value.  average (1):it is valid only if the hwNqaReactCheckedElement is specified as probetime, jitterrtt, jittersd and jitterds.  consecutive (2): it is valid only if hwNqaReactCheckedElement is specified as probetime, probefailure  accumulative (3): It is valid only if hwNqaReactCheckedElement is specified as probetime, probefailure, jitterrtt, jittersd, jitterpacketloss and jitterds. |
| hwNqaReactThresholdConsecNum | read-create | No | The value range is:  [1, 15]: if the hwNqaReactCheckedElement is probetime and probefailure  The value of zero means the hwNqaReactThresholdType is not consecutive. |
| hwNqaReactThresholdAccumNum | read-create | No | The value range is:  [1, 15]: If the hwNqaReactCheckedElement is probetime and probefailure  [1, 15000]: If the pingCtlType of the test is hwNqajitter but hwNqaCtlCodecType is notDefined(1)., and the hwNqaReactThresholdType is accumulative (3)  [1..60000]: If the pingCtlType of the test is hwNqajitter ,hwNqaCtlCodecType is g711Alaw(2) or g711Ulaw(3) or g729A(4), and the hwNqaReactThresholdType is accumulative (3)  The value of zero means the hwNqaReactThresholdType is not accumulative. |
| hwNqaReactActionType | read-create | No | The value now only support none(1) and  trapOnly(2) |
| hwNqaReactCurrentStatus | read-only | No | As per mib |
| hwNqaReactRowStatus | read-create | No | As per mib |
| hwNqaReactCheckedNum | read-only | No | As per mib |
| hwNqaReactThresholdNum | read-only | No | As per mib |

Note:

hwNqaReactionTable only support row creation and row deletion, no table item could be modified. One row is specified as one reaction set. The row creation just support multiple variables bingding way. The multiple variables which shoule be binded in different reaction type are desribed as follows.

Detecting ping probetime

1.1 average types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | probetime(1) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | average(1) |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

1.2 accumulative types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | probetime(1) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

1.3 consecutive ttype

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | probetime(1) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | consecutive(2) |
| hwNqaReactThresholdConsecNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting probe failure times

2.1 accumulative types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | probefailure(2) |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

2.2 consecutive type

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | probefailure(2) |
| hwNqaReactThresholdType | consecutvie(2) |
| hwNqaReactThresholdConsecNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting Jitter RTT

3.1 average type

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jitterrtt(3) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | average(1) |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

3.2 accumulative type

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jitterrtt(3) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting Jitter packet loss number

4.1 accumulative types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jitterpacketloss(4) |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting jitter values from destination to source

5.1 average type

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jitttersd(5) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | average(1) |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

5.2 accumulative types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jitttersd(5) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting jitter values from destination to source

6.1 average type

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jittterds(6) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | average(1) |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

6.2 accumulative types

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | jittterds(6) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactThresholdType | accumulative (3) |
| hwNqaReactThresholdAccumNum | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

Detecting Jitter ICPIF value

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | icpif(7) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

detecting Jitter MOS value

|  |  |
| --- | --- |
| Object Name | Object Value |
| hwNqaReactOwnerIndex | Index |
| hwNqaReactTestName | Index |
| hwNqaReactItemIndex | index |
| hwNqaReactCheckedElement | mos(8) |
| hwNqaReactThresholdUpperLimit | As need |
| hwNqaReactThresholdLowerLimit | As need |
| hwNqaReactActionType | none(0) or trapOnly(1) |
| hwNqaReactRowStatus | Createandgo(4) |

## hwNqaStatisticsReactionTable

| Name | Access | PDS | Description |
| --- | --- | --- | --- |
| hwNqaStatReactOwnerIndex | not-accessible | No | As per mib |
| hwNqaStatReactTestName | not-accessible | No | As per mib |
| hwNqaStatReactIndex | not-accessible | No | As per mib |
| hwNqaReactItemIndex | not-accessible | No | As per mib |
| hwNqaStatReactCheckedNum | Read-only | No | As per mib |
| hwNqaStatReactThresholdNum | Read-only | No | As per mib |

# A3COM-HUAWEI-NTP-MIB

## hwNTPPeerMIBObjects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNTPSysLeap | read-only | Yes | As per mib |
| hwNTPSysStratum | read-only | Yes | As per mib |
| hwNTPSysPrecision | read-only | Yes | As per mib |
| hwNTPSysRootdelay | read-only | Yes | Root Delay : This is a signed fixed-point number indicating the total roundtrip delay to the primary reference source at the root of the synchronization subnet, in milliseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew. |
| hwNTPSysRootdispersion | read-only | Yes | Root Dispersion : This is a signed fixed-point number indicating the maximum error relative to the primary reference source at the root of the synchronization subnet, in millisecondsecondss. Only positive values greater than zero are possible. |
| hwNTPSysRefid | read-only | Yes | As per mib |
| hwNTPSysReftime | read-only | Yes | As per mib |
| hwNTPSysPoll | read-only | Yes | As per mib |
| hwNTPSysPeer | read-only | Yes | As per mib |
| hwNTPSysState | read-only | Yes | As per mib |
| hwNTPSysOffset | read-only | Yes | As per mib |
| hwNTPSysDrift | read-only | Yes | As per mib |
| hwNTPSysCompliance | read-only | Yes | As per mib |
| hwNTPSysClock | read-only | Yes | As per mib |
| hwNTPSysStabil | read-only | Yes | As per mib |
| hwNTPSysAuthenticate | read-write | Yes | As per mib |

## hwNTPPeerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwNTPPeerConfig | read-only | No | As per mib |
| hwNTPPeerAuthenable | read-only | No | As per mib |
| hwNTPPeerAuthentic | read-only | No | As per mib |
| hwNTPPeerRemAdr | not-accessible | No | As per mib |
| hwNTPPeerRemPort | read-only | No | As per mib |
| hwNTPPeerLocAdr | read-only | No | As per mib |
| hwNTPPeerLocPort | read-only | No | As per mib |
| hwNTPPeerLeap | read-only | No | As per mib |
| hwNTPPeerHMode | not-accessible | No | As per mib |
| hwNTPPeerStratum | read-only | No | As per mib |
| hwNTPPeerPPoll | read-only | No | As per mib |
| hwNTPPeerHPoll | read-only | No | As per mib |
| hwNTPPeerPrecision | read-only | No | As per mib |
| hwNTPPeerRootDelay | read-only | No | This is a signed fixed-point number indicating the total roundtrip delay to the primary reference source at the root of the synchronization subnet, in millisecondsseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew. |
| hwNTPPeerRootDispersion | read-only | No | This is a signed fixed-point number indicating the maximum error of the peer clock relative to the primary reference source at the root of the synchronization subnet, in milliseconds.  Only positive values greater than zero are possible. |
| hwNTPPeerRefId | read-only | No | As per mib |
| hwNTPPeerRefTime | read-only | No | As per mib |
| hwNTPPeerOrg | read-only | No | As per mib |
| hwNTPPeerRec | read-only | No | As per mib |
| hwNTPPeerXmt | read-only | No | As per mib |
| hwNTPPeerReach | read-only | No | As per mib |
| hwNTPPeerValid | read-only | No | As per mib |
| hwNTPPeerTimer | read-only | No | As per mib |
| hwNTPPeerDelay | read-only | No | This is a signed fixed-point number indicating the roundtrip delay of the peer clock relative to the local clock over the network path between them, in millisecondsseconds. Note that this variable can take on both positive and negative values, depending on clock precision and skew-error accumulation. |
| hwNTPPeerOffset | read-only | No | This is a signed, fixed-point number indicating the offset of the peer clock relative to the local clock, in millisecondsseconds. |
| hwNTPPeerJitter | read-only | No | As per mib |
| hwNTPPeerDispersion | read-only | No | This is a signed fixed-point number indicating the maximum error of the peer clock relative to the local clock over the network path between them, in millisecondsseconds.Only positive values greater than zero are possible. |
| hwNTPPeerKeyId | read-only | No | As per mib |
| hwNTPPeerFiltDelay | read-only | No | Round-trip delay of the peer clock relative to the local clock over the network path between them, in millisecondsseconds. This variable can take on both positive and negative values, depending on clock precision and skew-error accumulation. |
| hwNTPPeerFiltOffset | read-only | No | The offset of the peer clock relative to the local clock in millisecondsseconds. |
| hwNTPPeerFiltError | read-only | No | The maximum error of the peer clock relative to the local clock over the network path between them, in millisecondsseconds. Only positive values greater than zero are possible. |
| hwNTPPeerPMode | read-only | No | As per mib |
| hwNTPPeerReceived | read-only | No | As per mib |
| hwNTPPeerSent | read-only | No | As per mib |
| hwNTPPeerFlash | read-only | No | As per mib |
| hwNTPPeerRowStatus | read-create | No | Only support active createAndGo and createAndWait |

# A3COM-HUAWEI-OBJECT-INFO-MIB

This MIB is used to acquire some information from the agent. Before a NMS takes some actions, it is not sure whether the agent supports it or not. This MIB is used to solve this problem.

## h3cObjectInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cObjectInfoOID | not-accessible | No | As per MIB |
| h3cObjectInfoType | not-accessible | No | As per MIB |
| h3cObjectInfoTypeExtension | not-accessible | No | Not supported.  As an index, the value must be ‘0’ |
| h3cObjectInfoValue | read-only | No | Only support get operation |

# A3COM-HUAWEI-PROT-PRIORITY-MIB

The MIB is a priority configuration of protocol, includes type of protocol, type of priority, value of priority and RowStatus.

The priority of protocol may be changed by CLI, SNMP or other ways defined as the MIB.

## h3cProtocolPriorityTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cPPriProtocolType | not-accessible | Yes | Type of protocol. |
| h3cPPriPriorityType | read-create | Yes | Type of priority. When setting and modifing,h3cPPriPriorityType and h3cPPriPriorityValue must change at the same time. |
| h3cPPriPriorityValue | read-create | Yes | Value of priority. |
| h3cPPriRowStatus | read-create | Yes | RowStatus, Now support three states: CreateAndGo, Active, Destroy. |

# A3COM-HUAWEI-QOS-MIB

## qosFIFOTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosFIFOIfIndex | read-only | Yes | As per mib |
| qosFIFOIfName | read-only | Yes | As per mib |
| qosFIFOMaxQueueLen | read-write | Yes | As per mib |
| qosFIFOCurQueueLen | read-only | No | As per mib |
| qosFIFODiscardPkt | read-only | No | As per mib |
| qosUndoFIFO | read-write | Yes | As per mib |

## qosPqlDefaultTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosPqlDefaultListNum | read-only | Yes | As per mib |
| qosPqlDefaultQueueType | read-write | Yes | As per mib |
| qosUndoPqlDefault | read-write | Yes | As per mib |

## qosPqlQueueLenTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosPqlQueLenListNum | read-only | Yes | As per mib |
| qosPqlQueLenQueueType | read-write | Yes | As per mib |
| qosPqlQueLenValue | read-write | Yes | As per mib |
| qosUndoPqlQueLen | read-write | Yes | As per mib |

## qosPqlIfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosPqlIfListNum | read-only | Yes | As per mib |
| qosPqlIfIndex | read-only | Yes | As per mib |
| qosPqlIfName | read-only | Yes | As per mib |
| qosPqlIfQueueType | read-write | Yes | As per mib |
| qosUndoPqlIf | read-write | Yes | As per mib |

## qosPqlProtocolTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosPqlProListNum | read-only | Yes | As per mib |
| qosPqlProName | read-only | Yes | As per mib |
| qosPqlProQueKey | read-only | Yes | As per mib |
| qosPqlProQueKeyValue | read-only | Yes | As per mib |
| qosPqlProQueType | read-write | Yes | As per mib |
| qosUndoPqlProtocol | read-write | Yes | As per mib |

## qosPQTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosPQIfIndex | read-only | Yes | As per mib |
| qosPQListNum | read-write | Yes | As per mib |
| qosPQIfName | read-only | Yes | As per mib |
| qosPQTopPkt | read-only | No | As per mib |
| qosPQTopDiscard | read-only | No | As per mib |
| qosPQTopMaxQueLen | read-only | No | As per mib |
| qosPQMiddlePkt | read-only | No | As per mib |
| qosPQMiddleDiscard | read-only | No | As per mib |
| qosPQMiddleMaxQueLen | read-only | No | As per mib |
| qosPQNormalPkt | read-only | No | As per mib |
| qosPQNormalDiscard | read-only | No | As per mib |
| qosPQNormalMaxQueLen | read-only | No | As per mib |
| qosPQBottomPkt | read-only | No | As per mib |
| qosPQBottomDiscard | read-only | No | As per mib |
| qosPQBottomMaxQueLen | read-only | No | As per mib |
| qosUndoPQ | read-write | Yes | As per mib |

## qosCqlDefaultTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCqlListNum | read-only | Yes | As per mib |
| qosCqlQueueNum | read-write | Yes | As per mib |
| qosUndoCqlDefault | read-write | Yes | As per mib |

## qosCqlIfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCqlIfListNum | read-only | Yes | As per mib |
| qosCqlIfIndex | read-only | Yes | As per mib |
| qosCqlIfName | read-only | Yes | As per mib |
| qosCqlIfQueueNum | read-write | Yes | As per mib |
| qosUndoCqlIf | read-write | Yes | As per mib |

## qosCqlProtocolTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCqlProListNum | read-only | Yes | As per mib |
| qosCqlProName | read-only | Yes | As per mib |
| qosCqlProQueKey | read-only | Yes | As per mib |
| qosCqlProQueKeyValue | read-only | Yes | As per mib |
| qosCqlProQueNum | read-write | Yes | As per mib |
| qosUndoCqlProtocol | read-write | Yes | As per mib |

## qosCqlQueParaTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCqlQueParaListNum | read-only | Yes | As per mib |
| qosCqlQueParaQueNum | read-only | Yes | As per mib |
| qosCqlQueParaServing | read-write | Yes | As per mib |
| qosCqlQueParaMaxQueLen | read-write | Yes | As per mib |
| qosUndoCqlQueParaServing | read-write | Yes | As per mib |
| qosUndoCqlQueParaMaxQueLen | read-write | Yes | As per mib |

## qosCQTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCQIfIndex | read-only | Yes | As per mib |
| qosCQListNum | read-write | Yes | As per mib |
| qosCQIfName | read-only | Yes | As per mib |
| qosUndoCQ | read-write | Yes | As per mib |

## qosCQRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCQRunInfoIfIndex | read-only | No | As per mib |
| qosCQRunInfoQueNum | read-only | No | As per mib |
| qosCQRunInfoIfName | read-only | No | As per mib |
| qosCQRunInfoQuePkt | read-only | No | As per mib |
| qosCQRunInfoQueDiscard | read-only | No | As per mib |
| qosCQRunInfoMaxQueLen | read-only | No | As per mib |

## qosWFQTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosWFQIfIndex | read-only | Yes | As per mib |
| qosWFQIfName | read-only | Yes | As per mib |
| qosWFQMaxQueLen | read-write | Yes | As per mib |
| qosWFQTotalQueNum | read-write | Yes | As per mib |
| qosWFQCurQueLen | read-only | No | As per mib |
| qosWFQTotalDiscard | read-only | No | As per mib |
| qosWFQActiveQueNum | read-only | No | As per mib |
| qosWFQMaxActiveQueNum | read-only | No | As per mib |
| qosUndoWFQ | read-write | Yes | As per mib |

## qosWREDTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosWREDIfIndex | read-only | Yes | As per mib |
| qosWREDIfName | read-only | Yes | As per mib |
| qosWREDWeightConstant | read-write | Yes | As per mib |
| qosWREDEnable | read-write | Yes | 0:Recover the default configuration: tail-drop  1:enable wred |
| qosUndoWREDWeightConstant | read-write | Yes | As per mib |

## qosWREDPreTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosWREDPreIfIndex | read-only | Yes | As per mib |
| qosWREDPrecedence | read-only | Yes | As per mib |
| qosWREDPreIfName | read-only | Yes | As per mib |
| qosWREDPreLowLimit | read-write | Yes | As per mib |
| qosWREDPreHighLimit | read-write | Yes | As per mib |
| qosWREDPreDiscardProbability | read-write | Yes | As per mib |
| qosWREDPreRandomDropNum | read-only | No | As per mib |
| qosWREDPreTailDropNum | read-only | No | As per mib |
| qosUndoWREDPre | read-write | Yes | As per mib |

## qosCarlTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCarlListNum | read-only | Yes | As per mib |
| qosCarlParaType | read-write | Yes | As per mib |
| qosCarlParaValue | read-write | Yes | As per mib |
| qosUndoCarl | read-write | Yes | As per mib |

## qosCARTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosCARIfIndex | read-only | Yes | As per mib |
| qosCARIfName | read-only | Yes | As per mib |
| qosCARPktDirection | read-only | Yes | As per mib |
| qosCARType | read-only | Yes | As per mib |
| qosCARListNum | read-only | Yes | The index of the table, which is CARType=1, the number is ACL number;  CARType=2,the number is CARL number;  CARType=3,the parameter is 0,which have No sense; |
| qosCARCIR | read-only | Yes | As per mib |
| qosCARBurstSize | read-only | Yes | As per mib |
| qosCARExcessBurstSize | read-only | Yes | As per mib |
| qosCARConformAction | read-write | Yes | As per mib |
| qosCARExceedAction | read-write | Yes | As per mib |
| qosCARConformNewPrec | read-write | Yes | As per mib |
| qosCARExceedNewPrec | read-write | Yes | As per mib |
| qosCARConformPkt | read-only | No | As per mib |
| qosCARConformByte | read-only | No | As per mib |
| qosCARExceedPkt | read-only | No | As per mib |
| qosCARExceedByte | read-only | No | As per mib |
| qosUndoCAR | read-write | Yes | As per mib |

## qosGTSTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosGTSIfIndex | read-only | Yes | As per mib |
| qosGTSIfName | read-only | Yes | As per mib |
| qosGTSType | read-only | Yes | As per mib |
| qosGTSACLNum | read-only | No | The index of the table, which is ACL number.  When the qosGTSType is all(2),the value is 0 |
| qosGTSCIR | read-write | Yes | As per mib |
| qosGTSBurstSize | read-write | Yes | As per mib |
| qosGTSExcessBurstSize | read-write | Yes | As per mib |
| qosGTSMaxQueLen | read-write | Yes | As per mib |
| qosGTSCurQueLen | read-only | No | As per mib |
| qosGTSPassPkt | read-only | No | As per mib |
| qosGTSPassByte | read-only | No | As per mib |
| qosGTSDelayPkt | read-only | No | As per mib |
| qosGTSDelayByte | read-only | No | As per mib |
| qosGTSDiscardPkt | read-only | No | As per mib |
| qosGTSDiscardByte | read-only | No | As per mib |
| qosUndoGTS | read-write | Yes | As per mib |

## qosLRTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosLRIfIndex | read-only | Yes | As per mib |
| qosLRIfName | read-only | Yes | As per mib |
| qosLRCIR | read-write | Yes | As per mib |
| qosLRBurstSize | read-write | Yes | As per mib |
| qosLRExcessBurstSize | read-write | Yes | As per mib |
| qosLRPassPkt | read-only | No | As per mib |
| qosLRPassByte | read-only | No | As per mib |
| qosLRDelayPkt | read-only | No | As per mib |
| qosLRDelayByte | read-only | No | As per mib |
| qosUndoLR | read-write | Yes | As per mib |

## qosIfBandwidthTable

Not supported

## qosRTPIfApplyTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosRTPIfApplyIfIndex | read-only | Yes | As per mib |
| qosRTPIfApplyStartPort | read-create | Yes | As per mib |
| qosRTPIfApplyEndPort | read-create | Yes | As per mib |
| qosRTPIfApplyBandWidth | read-create | Yes | As per mib |
| qosRTPIfApplyCbs | read-create | Yes | As per mib |
| qosRTPIfApplyRowStatus | read-create | No | As per mib |

## qosRTPIfQueueRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| qosRTPIfQueueSize | read-only | Yes | As per mib |
| qosRTPIfQueueMaxSize | read-only | Yes | As per mib |
| qosRTPIfQueueOutputs | read-only | Yes | As per mib |
| qosRTPIfQueueDiscards | read-only | Yes | As per mib |

# A3COM-HUAWEI-RADIUS-MIB

A configuration management and statistical MIB, includes configuration of RADIUS Server, and statistics about Accounting Server which complements the IETF standard MIB. In addition, there are two traps supported to notify the RADIUS Server’s down state.

Note: Creating and deleting a row in either h3cRdInfoTable or h3cRdAccInfoTable will work on another table. That is, to create a new row in h3cRdInfoTable, a row with the same group name will appear in h3cRdAccInfoTable. To delete a row from h3cRdInfoTable, corresponding row in h3cRdAccInfoTable will be cleared away and vice versa.

## h3cRdInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cRdGroupName | not-accessible | Yes | As per mib |
| h3cRdPrimAuthIp | read-create | Yes | Not supported |
| h3cRdPrimUdpPort | read-create | Yes | As per mib |
| h3cRdPrimState | read-create | No | As per mib |
| h3cRdSecAuthIp | read-create | Yes | Not supported |
| h3cRdSecUdpPort | read-create | Yes | As per mib |
| h3cRdSecState | read-create | No | As per mib |
| h3cRdKey | read-create | Yes | As per mib |
| h3cRdRetry | read-create | Yes | As per mib |
| h3cRdTimeout | read-create | Yes | As per mib |
| h3cRdPrimAuthIpAddrType | read-create | No | Support IPv4 only |
| h3cRdPrimAuthIpAddr | read-create | Yes | Support IPv4 only |
| h3cRdSecAuthIpAddrType | read-create | No | Support IPv4 only |
| h3cRdSecAuthIpAddr | read-create | Yes | Support IPv4 only |
| h3cRdServerType | read-create | Yes | standard(1) and extended(4) are supported. |
| h3cRdQuietTime | read-create | Yes | As per mib |
| h3cRdUserNameFormat | read-create | Yes | As per mib |
| h3cRdRowStatus | read-create | No | As per mib |

## h3cRdAccInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cRdAccGroupName | not-accessible | Yes | As per mib |
| h3cRdPrimAccIpAddrType | read-create | No | Support IPv4 only |
| h3cRdPrimAccIpAddr | read-create | Yes | Support IPv4 only |
| h3cRdPrimAccUdpPort | read-create | Yes | As per mib |
| h3cRdPrimAccState | read-create | No | As per mib |
| h3cRdSecAccIpAddrType | read-create | No | Support IPv4 only |
| h3cRdSecAccIpAddr | read-create | Yes | Support IPv4 only |
| h3cRdSecAccUdpPort | read-create | Yes | As per mib |
| h3cRdSecAccState | read-create | No | As per mib |
| h3cRdAccKey | read-create | Yes | As per mib |
| h3cRdAccRetry | read-create | Yes | As per mib |
| h3cRdAccTimeout | read-create | Yes | As per mib |
| h3cRdAccServerType | read-create | Yes | only standard(1) and extended(4) are supported. |
| h3cRdAccQuietTime | read-create | Yes | As per mib |
| h3cRdAccFailureAction | read-create | Yes | As per mib |
| h3cRdAccRealTime | read-create | Yes | As per mib |
| h3cRdAccRealTimeRetry | read-create | Yes | As per mib |
| h3cRdAccSaveStopPktEnable | read-create | Yes | As per mib |
| h3cRdAccStopRetry | read-create | Yes | As per mib |
| h3cRdAccDataFlowUnit | read-create | Yes | As per mib |
| h3cRdAccPacketUnit | read-create | Yes | As per mib |
| h3cRdAccRowStatus | read-create | No | As per mib |

## h3cRadiusAccServerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cRadiusAccClientStartRequests | read-only | No | As per mib |
| h3cRadiusAccClientStartResponses | read-only | No | As per mib |
| h3cRadiusAccClientInterimRequests | read-only | No | As per mib |
| h3cRadiusAccClientInterimResponses | read-only | No | As per mib |
| h3cRadiusAccClientStopRequests | read-only | No | As per mib |
| h3cRadiusAccClientStopResponses | read-only | No | As per mib |

# A3COM-HUAWEI-SNA-DLSW-MIB

## dlswNode

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswNodeVersion | read-only | No | As per mib |
| dlswNodeVendorID | read-only | No | As per mib |
| dlswNodeVersionString | read-only | No | As per mib |
| dlswNodeStdPacingSupport | read-only | No | As per mib |
| dlswNodeStatus | read-only | No | As per mib |
| dlswNodeVirtualSegmentLFSize | read-write | No | As per mib |
| dlswNodeLocalAddr | read-write | No | As per mib |
| dlswNodePriority | read-write | No | This default value is 3 in VRP3.X, and 5 in 1.7. |
| dlswNodeInitWindow | read-write | No | As per mib |
| dlswNodeKeepAlive | read-write | No | As per mib |
| dlswNodeMaxWindow | read-write | No | This default value is 50 in VRP3.X, and 255 in 1.7. |
| dlswNodePermitDynamic | read-write | No | As per mib |
| dlswNodeConnTimeout | read-write | No | As per mib |
| dlswNodeLocalPendTimeout | read-write | No | This default value is 30 in VRP3.X, and 10 in 1.7. |
| dlswNodeRemotePendTimeout | read-write | No | As per mib |
| dlswNodeSnaCacheTimeout | read-write | No | As per mib |

## dlswRemotePeerTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswRemotePeerAddr | read-only | No | As per mib |
| dlswRemotePeerVersion | read-only | No | As per mib |
| dlswRemotePeerVendorID | read-only | No | As per mib |
| dlswRemotePeerPaceWindInit | read-only | No | As per mib |
| dlswRemotePeerVersionString | read-only | No | As per mib |
| dlswRemotePeerIsConfig | read-only | No | As per mib |
| dlswRemotePeerCost | read-write | No | Now only support read operation |
| dlswRemotePeerKeepAlive | read-write | No | Now only support read operation |
| dlswRemotePeerLf | read-write | No | Now only support read operation |
| dlswRemotePeerTcpQueneMax | read-write | No | Now only support read operation |
| dlswRemotePeerHaveBackup | read-only | No | As per mib |
| dlswRemotePeerIsBackup | read-only | No | As per mib |
| dlswRemotePeerBackupAddr | read-only | No | As per mib |
| dlswRemotePeerLinger | read-write | No | Now only support read operation |
| dlswRemotePeerLinkState | read-only | No | As per mib |
| dlswRemotePeerRecvPacks | read-only | No | As per mib |
| dlswRemotePeerSendPacks | read-only | No | As per mib |
| dlswRemotePeerDrops | read-only | No | As per mib |
| dlswRemotePeerUptime | read-only | No | Now only support read operation |
| dlswRemotePeerEntryStatus | read-write | No | Now only support read operation |

## dlswBridgeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswBridgeNum | read-only | No | As per mib |
| dlswBridgeStatus | read-write | No | Now only support read operation |

## dlswBridgeIfTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswBridgeIfBriGru | read-write | No | Now only support read operation |
| dlswBridgeIfName | read-only | No | As per mib |
| dlswBridgeIfStatus | read-write | No | Now only support read operation |

## dlswLocMacTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswLocMacHashIndex | read-only | No | As per mib |
| dlswLocMacHashIndexSeqNum | read-only | No | As per mib |
| dlswLocMacMac | read-only | No | As per mib |
| dlswLocMacLocalInterfaceName | read-only | No | As per mib |

## dlswCircuitTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswCircuitS1CircuitId | read-only | No | As per mib |
| dlswCircuitS1Mac | read-only | No | As per mib |
| dlswCircuitS1Sap | read-only | No | As per mib |
| dlswCircuitS2Mac | read-only | No | As per mib |
| dlswCircuitS2Sap | read-only | No | As per mib |
| dlswCircuitS1IfIndex | read-only | No | As per mib |
| dlswCircuitS1Ifname | read-only | No | As per mib |
| dlswCircuitS1DlcType | read-only | No | As per mib |
| dlswCircuitS2TAddress | read-only | No | As per mib |
| dlswCircuitS2CircuitId | read-only | No | As per mib |
| dlswCircuitOrigin | read-only | No | As per mib |
| dlswCircuitEntryTime | read-only | No | As per mib |
| dlswCircuitStateTime | read-only | No | As per mib |
| dlswCircuitState | read-only | No | As per mib |
| dlswCircuitFCSendGrantedUnits | read-only | No | As per mib |
| dlswCircuitFCSendCurrentWndw | read-only | No | As per mib |
| dlswCircuitFCRecvGrantedUnits | read-only | No | As per mib |
| dlswCircuitFCRecvCurrentWndw | read-only | No | As per mib |

## dlswSdlcPortTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswSdlcPortSerialName | read-only | No | As per mib |
| dlswSdlcPortEncap | read-only | No | As per mib |
| dlswSdlcPortRole | read-write | No | Now only support read operation |
| dlswSdlcPortVmac | read-write | No | Now only support read operation |
| dlswSdlcPortHoldq | read-write | No | Now only support read operation |
| dlswSdlcPortK | read-write | No | Now only support read operation |
| dlswSdlcPortModule | read-write | No | Now only support read operation |
| dlswSdlcPortN1 | read-write | No | Now only support read operation |
| dlswSdlcPortN2 | read-write | No | Now only support read operation |
| dlswSdlcPortPollPauseTimer | read-write | No | This default value is 1000 in VRP3.X,and 255 in 100. |
| dlswSdlcPortSimultaneousEnable | read-write | No | Now only support read operation |
| dlswSdlcPortT1 | read-write | No | Now only support read operation |
| dlswSdlcPortT2 | read-write | No | Now only support read operation |

## dlswSdlcLsTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswSdlcLsAddress | read-only | No | As per mib |
| dlswSdlcLsLocalId | read-write | No | As per mib |
| dlswSdlcLsRemoteMac | read-write | No | As per mib |
| dlswSdlcLsSsap | read-write | No | As per mib |
| dlswSdlcLsDsap | read-write | No | As per mib |
| dlswSdlcLsStatus | read-write | No | As per mib |

## dlswLlc2PortTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dlswLLC2PortAckDelayTime | read-write | No | Now only support read operation |
| dlswLLC2PortAckMax | read-write | No | Now only support read operation |
| dlswLLC2PortLocalWnd | read-write | No | Now only support read operation |
| dlswLLC2PortModulus | read-write | No | Now only support read operation |
| dlswLLC2PortN2 | read-write | No | Now only support read operation |
| dlswLLC2PortT1 | read-write | No | Now only support read operation |
| dlswLLC2PortTbusyTime | read-write | No | Now only support read operation |
| dlswLLC2PortTpfTime | read-write | No | Only support read. This default value is 5000 in VRP3.X,and 500 in 1.7. |
| dlswLLC2PortTrejTime | read-write | No | Now only support read operation |
| dlswLLC2PortTxqMax | read-write | No | Now only support read operation |

# A3COM-HUAWEI-SRM-MIB

This mib is only used for 6000 series router.

## hw8060FrameTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hw8060FrameIndex | read-only | No | As per mib |
| hw8060FrameType | read-only | No | As per mib |
| hw8060FrameDesc | read-write | No | As per mib |
| hw8060FrameSlotNumber | read-only | No | As per mib |
| hw8060FrameAdminStatus | read-only | No | The return value means:  1:Cold start  2:Warm start |

## hw8060SlotTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hw8060SlotIndex | read-only | No | As per mib |
| hw8060SlotType | read-only | No | As per mib |
| hw8060SlotDesc | read-write | No | Now only support read operation |
| hw8060SlotCpuRatio | read-only | No | As per mib |
| hw8060SlotPcbVersion | read-only | No | As per mib |
| hw8060SlotSoftwareVersion | read-only | No | As per mib |
| hw8060SlotSubslotNumber | read-only | No | As per mib |
| hw8060SlotAdminStatus | read-only | No | As per mib |
| hw8060SlotOperStatus | read-only | No | The return value means;  1:Normal  2:Abnormal |

## hw8060SubslotTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hw8060SubslotIndex | read-only | No | As per mib |
| hw8060SubslotType | read-only | No | As per mib |
| hw8060SubslotPortNum | read-only | No | As per mib |
| hw8060SubslotAdminStatus | read-only | No | As per mib |

## hw8060PortTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hw8060PortIndex | read-only | No | As per mib |
| hw8060PortType | read-only | No | As per mib |
| hw8060PortDesc | read-only | No | As per mib |
| hw8060PortSpeed | read-only | No | As per mib |
| hw8060PortAdminStatus | read-only | No | As per mib |
| hw8060PortOperateStatus | read-only | No | As per mib |

## dev8060MPowerStatusTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dev8060MPowerNum | read-only | No | As per mib |
| dev8060MPowerStatus | read-only | No | As per mib |

## dev8060MFanStatusTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| dev8060MFanNum | read-only | No | As per mib |
| dev8060MFanStatus | read-only | No | As per mib |

## dev8060MGlobalTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hw8060DevMRpuTemperature | read-only | No | As per mib |
| hw8060DevMTemperatureMax | read-write | No | Only the setting for vent mode is supported now. |
| hw8060DevMTemperatureMin | read-write | No | Only the setting for vent mode is supported now. |
| hw8060SysVersion | read-only | No | As per mib |
| hw8060SysTime | read-only | No | As per mib |
| hw8060DevMVentTemperature | read-only | No | As per mib |

# A3COM-HUAWEI-SYS-MAN-MIB

This MIB is defined for the general system information management.

There are several groups in this mib as follows:

* System clock management group
* System reload management group
* System image management group
* System configuration files management group
* System current status group

## h3cSysClock-System clock management group

This group contains only one scalar object which provides current local time of the system.

### Scalar object

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysLocalClock | read-only | No | As per mib |

## h3cSysReload-System reload management group

This group contains only two scalar objects and a table which provides the reload operation access.

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysReloadSchedule | read-write | No | As per mib |
| h3cSysReloadAction | read-write | No | As per mib |
| h3cSysReloadTag | read-write | No | As per mib |

### h3cSysReloadScheduleTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysReloadScheduleIndex | NA | No | As per mib |
| h3cSysReloadEntity | read-create | No | As per mib |
| h3cSysReloadCfgFile | read-create | No | As per mib |
| h3cSysReloadImage | read-create | No | As per mib |
| h3cSysReloadReason | read-create | No | As per mib |
| h3cSysReloadScheduleTime | read-create | No | As per mib |
| h3cSysReloadTagList | read-create | No | As per mib |
| h3cSysReloadRowStatus | read-create | No | As per mib |

## h3cSysImage-System image management group

This group contains only one scalar object and a table which displays all of the image files available in the system.

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysImageNum | read-only | No | As per mib |

### h3cSysImageTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysImageIndex | NA | No | As per mib |
| h3cSysImageName | read-only | No | As per mib |
| h3cSysImageSize | read-only | No | As per mib |
| h3cSysImageLocation | read-only | No | As per mib |
| h3cSysImageType | read-write | Yes | As per mib |

## h3cSysCFGFile-System configuration files management group

This group contains only one scalar object and a table which gives all of the config files available in the system.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysCFGFileNum | read-only | No | As per mib |
| h3cSysCFGFileIndex | NA | No | As per mib |
| h3cSysCFGFileName | read-only | No | As per mib |
| h3cSysCFGFileSize | read-only | No | As per mib |
| h3cSysCFGFileLocation | read-only | No | As per mib |

The value for hwSysCFGFileIndex is divided two parts as follows :

31

0

15

Entity index

Configuration file index

## h3cSysCurrent-System current status group

This group includes a table which describes the configuration file and image file used by a specific entity currently.

h3SysCurEntPhysicalIndex: The value of this object is the entity index which depends on the implementation of ENTITY-MIB.

### h3cSysCurTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysCurEntPhysicalIndex | NA | No | As per mib |
| h3cSysCurCFGFileIndex | read-only | No | As per mib |
| h3cSysCurImageIndex | read-only | No | As per mib |

## Notifications

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cSysClockChangedNotification | NA | No | Support |
| h3cSysReloadNotification | NA | No | Support |

# A3COM-HUAWEI-T1-MIB

## t1InterfaceStatusTable

Used for 5000 and 6000 serials Routers

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| t1InterfaceInErrs | read-only | No | As per mib |
| t1InterfaceInRuntsErrs | read-only | No | As per mib |
| t1InterfaceInGiantsErrs | read-only | No | As per mib |
| t1InterfaceInCrcErrs | read-only | No | As per mib |
| t1InterfaceInAlignErrs | read-only | No | As per mib |
| t1InterfaceInOverRunsErrs | read-only | No | As per mib |
| t1InterfaceInDribblesErrs | read-only | No | As per mib |
| t1InterfaceInAbortedSeqErrs | read-only | No | As per mib |
| t1InterfaceInNoBufferErrs | read-only | No | As per mib |
| t1InterfaceInFramingErrs | read-only | No | As per mib |
| t1InterfaceOutputErrs | read-only | No | As per mib |
| t1InterfaceOutUnderRunErrs | read-only | No | As per mib |
| t1InterfaceOutCollisonsErrs | read-only | No | As per mib |
| t1InterfaceOutDeferedErrs | read-only | No | As per mib |

# A3COM-HUAWEI-TRNG-MIB

## hwTrngCreateTimerangeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwTrngIndex | not-accessible | No | As per mib |
| hwTrngName | read-create | No | As per mib |
| hwTrngValidFlag | read-only | No | As per mib |
| hwTrngCreateRowStatus | read-create | No | As per mib |

## hwTrngAbsoluteTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwTrngAbsoluteNameIndex | not-accessible | No | As per mib |
| hwTrngAbsoluteSubIndex | not-accessible | No | As per mib |
| hwTimerangeAbsoluteStartTime | read-create | No | As per mib |
| hwTimerangeAbsoluteEndTime | read-create | No | As per mib |
| hwTimerangeAbsolueRowStatus | read-create | No | As per mib |

## hwTrngPeriodicTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwTrngPeriodicNameIndex | not-accessible | No | As per mib |
| hwTrngPeriodicSubIndex | not-accessible | No | As per mib |
| hwTrngPeriodicDayofWeek | read-create | No | As per mib |
| hwTimerangePeriodicStartTime | read-create | No | As per mib |
| hwTimerangePeriodicEndTime | read-create | No | As per mib |
| hwTimerangePeriodicRowStatus | read-create | No | As per mib |

# A3COM-HUAWEI-UI-MAN-MIB

This MIB is used to manage user interfaces.

## Scalar Objects

This MIB has No Scalar Object.

## h3cUIMgtBasicGroup

This group now only has h3cVtyAccTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cVtyAccUserIndex | not-accessible | No | As per mib |
| h3cVtyAccConnway | not-accessible | Yes | As per mib |
| h3cVtyAccAclNum | read-create | Yes | The filter rule number of ACL.  It can realize the ACL control of telnet users.  The value range is from 2000 to 3999. |
| h3cVtyAccEntryRowStatus | read-create | Yes | The status of this conceptual row. Now only support CreateAndGo and Destroy and Active. |

# A3COM-HUAWEI-USER-MIB

This MIB is used to manage local users.

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cUserMaxNum | read-only | No | This object contains the maximum number of local users. |
| h3cUserCurrNum | read-only | No | This object contains the current number of local users. |
| h3cUserIndexIndicator | read-only | No | This object contains an appropriate value to be used for h3cUserIndex when creating entries in the h3cUserInfoTable. The value 0 indicates that No unassigned entries are available. To obtain the h3cUserIndex value for a new entry, the manager issues a management protocol retrieval operation to obtain the current value of this object. After each retrieval, the agent should modify the value to the next unassigned index. After a manager retrieves a value the agent will determine through its local policy when this index value will be made available for reuse. |

## h3cUserInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cUserName | read-create | Yes | The value could not be null, and could not be “a”, “al” and “all”.  The value cound not contain some characters, such as ‘\’, ‘/’, ‘:’, ‘\*’, ‘?’, ‘”’, ‘<’, ‘>’ and ‘|’ etc.  The value cound not contain more than one ‘@’ characters, and if it contains ‘@’ character, the ‘@’ character cound not be the last character.  The length of the value must less than 80, and the length of the pure user name (i.e. the string before ‘@’ character) must be less than 55, and the length of the domain name (i.e. the string after ‘@’ character) must be less than 24.  The number of the local users must be less than the maximum number.  The user name which will be created must not be exist, and it is case insensitive. |
| h3cUserPassword | read-create | Yes | The length of the password must be less than 16.  The default value is null. |
| h3cAuthMode | read-create | Yes | The value must be 0 or 7.  O means the password is clean text.  7 means the password is encrypted text.  The default value is 0. |
| h3cUserLevel | read-create | Yes | The value range is from 0 to 3, and 0 is minimum, 3 is maximum.  The default value is 0. |
| h3cUserState | read-create | Yes | The state of local user.  The value must be 0 or 1.  0 means local user can execute any operations that he has privilege to do.  1 means local user can not execute any operations.  The default value is 0. |
| h3cUserInfoRowStatus | read-create | Yes | The status of this conceptual row. Now only support CreateAndGo and Destroy and Active. |
| h3cUserIndex | not-accessible | No | As per mib |

## h3cUserAttributeTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cAccessLimit | read-write | Yes | Not supported |
| h3cIdleCut | read-write | Yes | Not supported |
| h3cIPAddress | read-write | Yes | Not supported |
| h3cNasIPAddress | read-write | Yes | Not supported |
| h3cSlotNum | read-write | Yes | Not supported |
| h3cSubSlotNum | read-write | Yes | Not supported |
| h3cPortNum | read-write | Yes | Not supported |
| h3cMacAddress | read-write | Yes | Not supported |
| h3cVLan | read-write | Yes | Not supported |
| h3cFtpService | read-write | Yes | The value must be 1 or 2.  Setting this object to the value disable(1) has the effect of disabling the FTP service for the corresponding entry in the h3cUserAttributeTable.  Setting this object to the value enable(2) has the effect of enabling the FTP service for the corresponding entry in the h3cUserAttributeTable.  The default value is disable(1). |
| h3cFtpDirectory | read-write | Yes | Directory of FTP user.  The default value is null, means if local user has the privilege of ftp service, the default ftp directory is flash:.  The maximum length of the directory is 56. |
| h3cLanAccessService | read-write | Yes | Not supported |
| h3cSshService | read-write | Yes | The value must be 1 or 2.  Setting this object to the value disable(1) has the effect of disabling the SSH service for the corresponding entry in the h3cUserAttributeTable.  Setting this object to the value enable(2) has the effect of enabling the SSH service for the corresponding entry in the h3cUserAttributeTable.  The default value is disable(1). |
| h3cTelnetService | read-write | Yes | The value must be 1 or 2.  Setting this object to the value disable(1) has the effect of disabling the TELNET service for the corresponding entry in the h3cUserAttributeTable.  Setting this object to the value enable(2) has the effect of enabling the TELNET service for the corresponding entry in the h3cUserAttributeTable.  The default value is disable(1). |
| h3cTerminalService | read-write | Yes | The value must be 1 or 2.  Setting this object to the value disable(1) has the effect of disabling the terminal service for the corresponding entry in the h3cUserAttributeTable.  Setting this object to the value enable(2) has the effect of enabling the terminal service for the corresponding entry in the h3cUserAttributeTable.  The default value is disable(1). |

# A3COM-HUAWEI-USERLOG-MIB

## hwUserlogNatObjects

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogNatVersion | read-only | Yes | As per mib |
| hwUserlogNatSyslog | read-write | Yes | As per mib |
| hwUserlogNatSourceIP | read-write | Yes | As per mib |
| hwUserlogNatFlowBegin | read-write | No | As per mib |
| hwUserlogNatActiveTime | read-write | No | As per mib |

### hwUserlogNatSlotCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogNatCfgSlotNumber | read-only | Yes | As per mib |
| hwUserlogNatEnable | read-write | Yes | As per mib |
| hwUserlogNatAclNumber | read-write | Yes | It is ranging from 2000 to 3999 |
| hwUserlogNatHostAddress | read-write | No | As per mib |
| hwUserlogNatUdpPort | read-write | No | As per mib |

### hwUserlogNatSlotRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogNatRunSlotNumber | read-only | Yes | As per mib |
| hwUserlogNatTotalEntries | read-only | Yes | As per mib |
| hwUserlogNatTotalPackets | read-only | Yes | As per mib |
| hwUserlogNatFailedEntries | read-only | No | As per mib |
| hwUserlogNatFailedPackets | read-only | No | As per mib |
| hwUserlogNatClearRunStat | read-write | No | As per mib |

## hwUserlogFlowObjects

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogFlowVersion | read-only | Yes | As per mib |
| hwUserlogFlowSyslog | read-write | Yes | As per mib |
| hwUserlogFlowSourceIP | read-write | Yes | As per mib |
| hwUserlogFlowFlowBegin | read-write | No | As per mib |
| hwUserlogFlowActiveTime | read-write | No | As per mib |

### hwUserlogFlowSlotCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogFlowCfgSlotNumber | read-only | Yes | As per mib |
| hwUserlogFlowEnable | read-write | Yes | As per mib |
| hwUserlogFlowAclNumber | read-write | Yes | It is ranging from 2000 to 3999 |
| hwUserlogFlowHostAddress | read-write | Yes | As per mib |
| hwUserlogFlowUdpPort | read-write | No | As per mib |

### hwUserlogFlowSlotRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogFlowRunSlotNumber | read-only | Yes | As per mib |
| hwUserlogFlowTotalEntries | read-only | Yes | As per mib |
| hwUserlogFlowTotalPackets | read-only | Yes | As per mib |
| hwUserlogFlowFailedEntries | read-only | No | As per mib |
| hwUserlogFlowFailedPackets | read-only | No | As per mib |
| hwUserlogFlowClearRunStat | read-write | No | As per mib |

## hwUserlogAccessObjects

### Scalar objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogFlowSlotRunInfoTable | read-only | Yes | As per mib |
| hwUserlogAccessSyslog | read-write | Yes | As per mib |
| hwUserlogAccessSourceIP | read-write | Yes | As per mib |

### hwUserlogAccessSlotCfgInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogAccessCfgSlotNumber | read-only | Yes | As per mib |
| hwUserlogAccessEnable | read-write | Yes | As per mib |
| hwUserlogAccessHostAddress | read-write | Yes | As per mib |
| hwUserlogAccessUdpPort | read-write | No | As per mib |

### hwUserlogAccessSlotRunInfoTable

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| hwUserlogAccessRunSlotNumber | read-only | Yes | As per mib |
| hwUserlogAccessTotalEntries | read-write | Yes | As per mib |
| hwUserlogAccessTotalPackets | read-only | Yes | As per mib |
| hwUserlogAccessFailedEntries | read-only | No | As per mib |
| hwUserlogAccessFailedPackets | read-only | No | As per mib |
| hwUserlogAccessClearRunStat | read-write | No | As per mib |

# A3COM-HUAWEI-VRRP-EXT-MIB

This MIB is used to manage user interfaces.

## h3cVrrpExtTable of h3cVrrpExtMibObject

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cVrrpExtTrackInterface | not-accessible | No | As per mib |
| h3cVrrpExtPriorityReduce | read-create | Yes | As per mib |
| h3cVrrpExtRowStatus | read-create | Yes | As per mib |

# A3COM-HUAWEI-CFCARD-MIB

## Scalar Objects

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Description |
| h3cCfCardNumber | read-only | No | The number of Compact Flash device in current system |

## h3cCfCardInfoTable

The index of h3cCfCardInfoTable is h3cCfCardIndex.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Access | PDS | Comments |
| h3cCfCardIndex | read-write | No | As per mib |
| h3cCfCardIsPresent | read-only | No | As per mib |
| h3cCfCardContainedIn | read-only | No | As per mib |
| h3cCfCardParentRelPos | read-only | No | As per mib |
| h3cCfCardDescription | read-only | No | As per mib |
| h3cCfCardSerialNumber | read-only | No | As per mib |
| h3cCfCardFirewareVersion | read-only | No | As per mib |
| h3cCfCardModelNumber | read-only | No | As per mib |
| h3cCfCardState | read-only | No | As per mib |
| h3cCfCardSize | read-only | No | As per mib |
| h3cCfCardUsedSize | read-only | No | As per mib |
| h3cCfCardFreeSize | read-only | No | As per mib |

# Supported Traps

## Supported Standard Traps

This section contains a list of the traps defined in the standard MIB(defined by IETF or IEEE).

|  |  |  |
| --- | --- | --- |
| Trap | MIB | Comments |
| ColdStart | SNMPv2-MIB | As per mib |
| WamStart | SNMPv2-MIB | As per mib |
| LinkDown | SNMPv2-MIB | The varbinds as defined in RFC2233.  This will be used for VPN tunnel interfaces as well. In the case of dynamic VPNs - the ifIndex in the linkDown trap may No longer exist in the ifTable. |
| LinkUp | SNMPv2-MIB | The varbinds as defined in RFC2233.  This will be used for VPN tunnel interfaces as well. In the case of dynamic VPNs - the ifIndex in the linkUp trap may No longer exist in the ifTable. |
| coldstart | SNMPv2-MIB | As per mib |
| warmstart | SNMPv2-MIB | As per mib |
| AuthenticationFailure | SNMPv2-MIB | As per mib |
| egpNeighborLoss | SNMPv2-MIB | Not supported |
| entConfigChange | ENTITY-MIB | As per mib |
| ospfIfStateChange | OSPF-MIB | As per mib |
| ospfVirtIfStateChange | OSPF-MIB | As per mib |
| ospfNbrStateChange | OSPF-MIB | As per mib |
| ospfVirtNbrStateChange | OSPF-MIB | Not supported |
| ospfIfConfigError | OSPF-MIB | As per mib |
| ospfVirtIfConfigError | OSPF-MIB | As per mib |
| ospfIfAuthFailure | OSPF-MIB | As per mib |
| ospfVirtIfAuthFailure | OSPF-MIB | As per mib |
| ospfIfRxBadPacket | OSPF-MIB | As per mib |
| ospfVirtIfRxBadPacket | OSPF-MIB | As per mib |
| ospfTxRetransmit | OSPF-MIB | As per mib |
| ospfVirtIfTxRetransmit | OSPF-MIB | As per mib |
| ospfOriginateLsa | OSPF-MIB | Not supported |
| ospfMaxAgeLsa | OSPF-MIB | Not supported |
| ospfLsdbOverflow | OSPF-MIB | Not supported |
| ospfLsdbApproachingOverflow | OSPF-MIB | Not supported |
| pingProbeFailed | DISMAN-PING-MIB | As per mib |
| pingTestFailed | DISMAN-PING-MIB | As per mib |
| pingTestCompleted | DISMAN-PING-MIB | As per mib |
| rpMauJabberTrap | MAU-MIB | Not supported |
| ifMauJabberTrap | MAU-MIB | Not supported |
| bgpEstablished | BGP-MIB | Not supported |
| bgpBackwardTransition | BGP-MIB | Not supported |
| risingAlarm | RMON-MIB | As per mib |
| fallingAlarm | RMON-MIB | As per mib |

## Supported Private Traps

This section contains a list of the traps defined in the private MIB(defined by enterprise).

### Router specific traps

Traps supported by router

|  |  |  |
| --- | --- | --- |
| Trap | MIB | Comments |
| hwRebootSendTrap | A3COM-HUAWEI-COMMON-MIB | As per mib |
| hipsNDECNormalResetTrap | A3COM-HUAWEI-NDEC-MIB | As per mib |
| hipsNDECStateChangeTrap | A3COM-HUAWEI-NDEC-MIB | As per mib |
| hipsNDECFlowTrap | A3COM-HUAWEI-NDEC-MIB | As per mib |
| h3cSysClockChangedNotification | A3COM-HUAWEI-SYS-MAN-MIB | As per mib |
| h3cSysReloadNotification | A3COM-HUAWEI-SYS-MAN-MIB | As per mib |
| h3cSysStartUpNotification | A3COM-HUAWEI-SYS-MAN-MIB | As per mib |
| h3cFlhOperNotification | A3COM-HUAWEI-FLASH-MAN-MIB | As per mib |
| h3cCfgManEventlog | A3COM-HUAWEI-CONFIG-MAN-MIB | As per mib |
| h3cCfgOperateCompletion | A3COM-HUAWEI-CONFIG-MAN-MIB | As per mib |
| hwMplsLdpSessionUpEventFailure | A3COM-HUAWEI-MPLS-LDP-MIB | As per mib |
| hwMplsLdpSessionDownEventFailure | A3COM-HUAWEI-MPLS-LDP-MIB | As per mib |
| mplsXCUp | A3COM-HUAWEI-MPLS-LSR-MIB | As per mib |
| mplsXCDown | A3COM-HUAWEI-MPLS-LSR-MIB | As per mib |
| h3cSIPRegisterFailReason | A3COM-HUAWEI-VOSIP-MIB | As per mib |
| h3cSIPAuthenReqMethod | A3COM-HUAWEI-VOSIP-MIB | As per mib |
| h3cSIPRegisterFailure | A3COM-HUAWEI-VOSIP-MIB | As per mib |
| h3cSIPAuthenticateFailure | A3COM-HUAWEI-VOSIP-MIB | As per mib |
| h3cSIPServerSwitch | A3COM-HUAWEI-VOSIP-MIB | As per mib |

# Factory Defaults

This is the expected factory defaults of a unit’s persistent configuration.

|  |  |  |
| --- | --- | --- |
| MIB Group | Object | Default Value |
| system | sysName | “Router” |
| system | sysContact | “3Com Corporation” |
| system | sysLocation | “Marlborough, MA 01752 USA” |
| system | sysDescr | 3Com Router xxxx Software V2.10 (build nnn)"  "3Com Router xxxx Software Extended\_V2.10 (build nnn)"  where xxx is the router number (5012 etc) and nnn is the JVCo build number which is updated for each code drop. |
| snmp | snmpEnableAuthenTraps | Disable(2) |
| ospfIfTable | ospfIfRtrPriority | 1 |
| ospfIfTable | ospfIfTransitDelay | 1 |
| ospfIfTable | ospfIfRetransInterval | 5 |
| ospfIfTable | ospfIfHelloInterval | The default value of the interface which is Nbma or ptmp is 30,the others is 10 |
| ospfIfTable | ospfIfRtrDeadInterval | The default value of the interface which is Nbma or ptmp is 120,the others is 40 |
| ospfIfTable | ospfIfPollInterval | The default value of the interface which is Nbma or ptmp is 120,the others is 40 |
| ospfIfMetricTable | ospfIfMetricValue | 0 |

# Appendix