FiberHome GEPON 5116 / 5516 MIB Open Interface Specifications

1. Common Specifications

1.1 Index Definition Principle:

Unsigned Index: (the 5116)

a. Four-byte integer is used by the index of port and ONU. The 32 bits are defined from high to low as follows:

Bit range	Length (bit)	Definition	Value range	Description
32 to 28	5	Slot number	1 to 31	
27 to 23	5	PON number	1 to 31	
22 to 14	9	ONU number	1 to 511	
13 to 5	9	Port number	1 to 511	
4 to 1	4	Reserved		Reserved

Formula of unsigned index: (slot) $\times 2^{27}$ + (PON) $\times 2^{22}$ + (ONU) $\times 2^{13}$ + (port) $\times 2^{4}$ + reserved

Note: The traffic collection function of the 5116 supports both the signed index and unsigned index.

Signed Index: (the 5516 and NGPON)

Bit range	Length (bit)	Definition	Value range	Description
32	1	Sign bit	0	
31 to 26	6	Slot number	1 to 63	
25 to 20	6	PON number	1 to 63	
19 to 9	11	ONU number	1 to 2047	
8 to 1	8	Port number	1 to 255	

The lower-level object of the port object is expressed by secondary index.

Formula of signed index: (slot) $\times 2^{25}$ + (PON) $\times 2^{19}$ + (ONU) $\times 2^{8}$ + port

e.g.: the port 5 of the ONU with the authorization number 50 in PON port 4 in slot 18:

Index	Slot Number (18)	PON Number (4)	ONU Number (50)	Port Number (5)	Index value
Index with character	010010	000100	00000110010	00000101	606089733
Index without character	10010	00100	000110010	000000101	2433106000

Index formula of traffic collection:

The traffic collection includes the collection for the uplink port and PON port of OLT, and the PON port and FE port of ONU. To comply with the index traversal from small to large, the index format is as follows:

The 5116:

The index of the uplink port is from 1 to 7, corresponding to the uplink port numbers.

The 5516/NGPON:

Index formula for uplink port: ((slot-19) $\times$10+ Uplink)$\times 2^{19}$ (slot number is19 or 20; Uplink is the uplink port number);

Index formula for other port: (slot) $\times 2^{25}$ + (PON) $\times 2^{19}$ + (ONU) $\times 2^{8}$ + port (same as other function index formula)

1.2 Description of Specifying Index During Object Creation

During object (such as template and VLAN) creation, we recommend you to access the **Get free index** leaf via the NMS. The devices return the available index of new object, using which the NMS creates objects. (When multiple NMSs create object, their obtained available indexes may be identical; in this case the object creation may fail and the NMSs need to re-obtain index).

If the NMS manages the object index, it can create objects by delivering index directly.

2. OLT Basic Information

2.1 Device Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Device	System Description	1.3.6.1.2.1.1.1	R	String	Device name

information	Object ID	1.3.6.1.2.1.1.2	R	Object Identifier	**An5116-02:** 1.3.6.1.4.1.5875.800.1001.1 **An5116-06:** 1.3.6.1.4.1.5875.800.1001.2 **An5516-01:** 1.3.6.1.4.1.5875.800.1001.11 GT5116-06B：1.3.6.1.4.1.5875.800.1001.14
	System Running Time	1.3.6.1.2.1.1.3	R	Timeticks	Unit:ms
	System Name	1.3.6.1.2.1.1.5	R/W	String	Self-defined System Name
	System Location	1.3.6.1.2.1.1.6	R/W	String	
	System IP	1.3.6.1.4.1.5875.800.3.9.4.1	R	IP Address	
	MAC Address	1.3.6.1.4.1.5875.800.3.9.4.2	R	String	
	Software Version	1.3.6.1.4.1.5875.800.3.9.4.3	R	String	
	Hardware Version	1.3.6.1.4.1.5875.800.3.9.4.4	R	String	
	Device Temperature	1.3.6.1.4.1.5875.800.3.9.4.5	R	Int	

2.2 Subrack Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Subrack information	Subrack Index	1.3.6.1.4.1.5875.800.3.9.1.1.1.1	R	Int	Fixed value:1
	Subrack Type	1.3.6.1.4.1.5875.800.3.9.1.1.1.2	R	Int	1: An5116-02 2: An5116-06 11: An5516-01 6: An5516-06 12: An5516-04
	Subrack Name	1.3.6.1.4.1.5875.800.3.9.1.1.1.3	R	String	
	Total Slot Number	1.3.6.1.4.1.5875.800.3.9.1.1.1.4	R	Int	25

2.3 Slot Information (the 5516)

Parameter Category	Parameter Name	OID	R/W ATTRIBUTE	Type	Description
Slot information	Slot Number (Index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	Index
	Card Present Status	1.3.6.1.4.1.5875.800.3.9.5.1.1.2	R	Int	1: present 0: not present
	Authorized Card Type	1.3.6.1.4.1.5875.800.3.9.5.1.1.3	R	Int	5516 Series： 355: HSWA 379: HSWB 365: HSWD 360: HSUA 374: HSUB 378: HSUC 508: EC4B 514: EC8B 552: ECOB 502: GC4B 527: GC8B 550: GCOB 545: XP4A 575: XP8A ~~743: PUBA~~ 605: CE1B 602: C155A 413: GU6F 420: GS8F 414: HU2A 415: HU1A 526 :XG2B ~~525 :XG2A~~ 555: XG4B

					553: XG8A 549: GSOF 610: CIO 611: PWR 741: FAN
	实际单板 Type	1.3.6.1.4.1.5875.800.3.9.5.1.1.4	R	Int	5516 Series： 355: HSWA 379: HSWB 365: HSWD 360: HSUA 374: HSUB 378: HSUC 508: EC4B 514: EC8B 552: ECOB 502: GC4B 527: GC8B 550: GCOB 545: XP4A 575: XP8A ~~743: PUBA~~ 605: CE1B 602: C155A 413: GU6F 420: GS8F 414: HU2A 415: HU1A 526: XG2B 555: XG4B 553: XG8A 549: GSOF 610: CIO 611: PWR 741: FAN 0: no line card is detected

2.4 Service Card Information

Parameter Category	Parameter Name	OID	R/W ATTRIBUTE	Type	Description
Service card information	Card Slot Number (Index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	Service Card Type	1.3.6.1.4.1.5875.800.3.9.2.1.1.2	R	Int	~~260:EC2~~ ~~724:EC2-X~~ ~~16384:AC16~~ 5116 Series: 260: EC2 259: GUP7 401: GFUP 249: GUPE7 286：AC16 5516 Series： 508: EC4B 514: EC8B 552: ECOB 502: GC4B 527: GC8B 550: GCOB 545: XP4A 575: XP8A ~~743: PUBA~~ 605: CE1B 602: C155A 413: GU6F 420: GS8F

带格式的：法语(法国)

带格式的：法语(法国)

带格式的：法语(法国)

带格式的：法语(法国)

带格式的：葡萄牙语(巴西)

					414: HU2A 415: HU1A 526: XG2B 555: XG4B 553: XG8A 549: GSOF
	Service Card Communication Status	1.3.6.1.4.1.5875.800.3.9.2.1.1.5	R	Int	1: Normal, 0: Interrupted
	Service Card Port Number	1.3.6.1.4.1.5875.800.3.9.2.1.1.6	R	Int	
	Service Card Actived Port Number	1.3.6.1.4.1.5875.800.3.9.2.1.1.7	R	Int	
	Hardware Version	1.3.6.1.4.1.5875.800.3.9.2.1.1.3	R	String	
	Software Version	1.3.6.1.4.1.5875.800.3.9.2.1.1.4	R	String	
	C CPU Utilization	1.3.6.1.4.1.5875.800.3.9.2.1.1.8	R	Int	The parameter value divided by 100 equals the actual value. Not available for AN5116 Series
	Memory Utilization	1.3.6.1.4.1.5875.800.3.9.2.1.1.9	R	Int	The parameter value divided by 100 equals the actual value. Not available for AN5116 Series

带格式的: 字体: (默认) Verdana, 10 磅, 字体颜色: 自定义颜色(RGB(31,73,125)), 葡萄牙语(巴西)

2.5 Controller Card Information

Parameter Category	Parameter Name	OID	R/W ATTRIBUTE	Type	Description
Controller card information	Controller Card Slot Number	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	Controller Card Type	1.3.6.1.4.1.5875.800.3.9.8.1.1.1	R	Int	AN 5116 Series: 350: GSWC 5516 Series： 355：HSWA
	Controller Card Communication Status	1.3.6.1.4.1.5875.800.3.9.8.1.1.4	R	Int	1: Normal, 0: Interrupted
	Hardware Version	1.3.6.1.4.1.5875.800.3.9.8.1.1.2	R	String	
	Software Version	1.3.6.1.4.1.5875.800.3.9.8.1.1.3	R	String	
	CPU Utilization	1.3.6.1.4.1.5875.800.3.9.8.1.1.5	R	Int	The parameter value divided by 100 equals the actual value
	Memory Utilization	1.3.6.1.4.1.5875.800.3.9.8.1.1.6	R	Int	The parameter value divided by 100 equals the actual value

2.6 Uplink Port Information

Parameter Category	Parameter Name	OID	R/W ATTRIBUTE	Type	Description
Uplink port information	Uplink Port Number (Index)	1.3.6.1.4.1.5875.800.3.101.3.1.1	R	Int	
	Port Name	1.3.6.1.4.1.5875.800.3.9.3.5.1.2	R	String	
	Port Description	1.3.6.1.4.1.5875.800.3.9.3.5.1.3	R/W	String	~~W is not available~~
	Port Type	1.3.6.1.4.1.5875.800.3.9.3.5.1.1	R	Int	NGPON Series： 4: 10GM Replace Port 5: 1000M Replace Port 5516 Series： 1:PON 2:FE 3:Gigabit 4:Gigabit optical port 5:pots port 6:10GE optical port 7: Gigabit electrical port
	Port Enable Status	1.3.6.1.4.1.5875.800.3.9.3.5.1.4	R	Int	5116 Series 1: Enable 2: Disable 5516 Series： 1：Enable 0：Disable
	Port Rate	1.3.6.1.4.1.5875.800.3.9.3.5.1.5	R	Int	NGPON Series 0:“10” 1:“100” 2:“1000” 3: “10000” Other: Mbps
	MAC Address String Learning	1.3.6.1.4.1.5875.800.3.9.3.5.1.6	R	String	MAC+VID format ， The MAC occupies 6 digits and the VID occupies 2 digits. Every 8 digits is a MAC mapping.

2.7 PON Port Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
PON port information	PON Port Index	1.3.6.1.4.1.5875.800.3.101.6.1.1	R	Int	
	Port Name	1.3.6.1.4.1.5875.800.3.9.3.4.1.2	R	String	
	Port Description	1.3.6.1.4.1.5875.800.3.9.3.4.1.3	R/W	String	~~W is not available~~
	Port Type	1.3.6.1.4.1.5875.800.3.9.3.4.1.1	R	Int	See the type code table in the Appendix for card type
	Port Enable Status	1.3.6.1.4.1.5875.800.3.9.3.4.1.4	R	Int	1: Enable 0: Disable
	Port Online Status	1.3.6.1.4.1.5875.800.3.9.3.4.1.5	R	Int	1: Online 0: Offline (Online: the authorized ONU is connected with this

					port and the ONU is online)
	Port Downlink Rate	1.3.6.1.4.1.5875.800.3.9.3.4.1.6	R	Int	Unit: Mbit/S
	Authorized ONU Amount of PON Port	1.3.6.1.4.1.5875.800.3.9.3.4.1.12	R	Int	
	Port Uplink Rate	1.3.6.1.4.1.5875.800.3.9.3.4.1.13	R	Int	Unit: Mbit/S (Only available for Jiangsu test)
	Optical Module Type	1.3.6.1.4.1.5875.800.3.9.3.4.1.15	R	Int	Optical module type list: 1: unknown 2: classbplus 3: classcplus 4: classb 5: px20 6: px20plus 7: pr30 8: pr20 9: prx30 10: prx20 11: invalid 12: absent (the optical module is not present)

带格式的: 法语(法国)

2.8 Optical Power Detection of PON Port (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Optical power detection of PON port	PON Port Index	1.3.6.1.4.1.5875.800.3.101.6.1.1	R	Int	
	OLT TX Optical Power	1.3.6.1.4.1.5875.800.3.9.3.4.1.8	R	Int	The parameter value divided by 100 equals the actual value (Unit: Dbm)
	OLT RX Optical Power	1.3.6.1.4.1.5875.800.3.9.3.4.1.7	R	Int	Not available
	Temperature	1.3.6.1.4.1.5875.800.3.9.3.4.1.11	R	Int	The parameter value divided by 100 equals the actual value (Unit: ℃)
	Voltage	1.3.6.1.4.1.5875.800.3.9.3.4.1.9	R	Int	The parameter value divided by 100 equals the actual value (Unit: V)
	Bias Current	1.3.6.1.4.1.5875.800.3.9.3.4.1.10	R	Int	The parameter value divided by 100 equals the actual value (Unit: mA)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Optical power detection switch of PON port	Slot Number (index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	Optical Power Detection Switch	1.3.6.1.4.1.5875.800.3.9.3.6.1.1	R/W	Int	1: Enable 0: Disable It is **Enable** by default for GPON and **Disable** is not supported.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
PON Rx optical	PON Port Index	1.3.6.1.4.1.5875.800.3.101.6.1.1	R	Int	

power	ONU Number (index)	1.3.6.1.4.1.5875.800.3.9.3.7.1.1	不可见	Int	
	OLT PON Port Rx Optical Power	1.3.6.1.4.1.5875.800.3.9.3.7.1.2	R	Int	The parameter value divided by 100 equals the actual value (Unit: Dbm)

2.9 Distance from ONU to PON Port

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Distance from ONU to PON port	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Distance	1.3.6.1.4.1.5875.800.3.9.6.1.1.1	R	Int	The ONU status should be online; otherwise the returned value is 0.

2.10 Power Status Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Power status	Power Status	1.3.6.1.4.1.5875.800.3.60.1.1.1	R	Int	Index
	Power Status	1.3.6.1.4.1.5875.800.3.60.1.1.2	R	Int	1: Normal 3: Power fault

2.11 Fan Status Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Fan alarm status	Fan Slot	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	Index
	Fan Status	1.3.6.1.4.1.5875.800.3.60.2.1.1	R	Int	1: The fan is normal 2: The fan stops rotating

3. ONU Basic Information

3.1 ONU Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU information	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Slot Number	1.3.6.1.4.1.5875.800.3.10.1.1.2	R	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.10.1.1.3	R	Int	
	ONU Number	1.3.6.1.4.1.5875.800.3.10.1.1.4	R	Int	
	ONU Status	1.3.6.1.4.1.5875.800.3.10.1.1.11	R	Int	The 5116: 0: offline or fiber cut 1: online 2: power cut The 5516: 0: fiber cut 1: online 2: power cut 3: offline The NGPON: 0: offline or fiber cut / power cut 1: online
	ONU Type	1.3.6.1.4.1.5875.800.3.10.1.1.5	R	Int	See ONU correspondence table below
	System Name	1.3.6.1.4.1.5875.800.3.10.1.1.7	R/W		Device name (not available)
	System IP (optional)	1.3.6.1.4.1.5875.800.3.10.1.1.6	R	IP Addres	(Not available)
	ONU MAC Address	1.3.6.1.4.1.5875.800.3.10.1.1.10	R	String	
	ONU Logic Authentication Identifier	1.3.6.1.4.1.5875.800.3.10.1.1.8	R	String	
	ONU Logic Authentication	1.3.6.1.4.1.5875.800.3.10.1.1.9	R	String	

带格式的: 字体颜色: 绿色

带格式的: 字体: 加粗, 字体颜色: 绿色

带格式的: 字体颜色: 绿色

带格式的: 字体: 加粗, 字体颜色: 绿色

带格式的: 字体: 加粗, 字体颜色: 绿色

	Identifier Password				
	ONU Software Version	1.3.6.1.4.1.5875.800.3.10.1.1.12	R	String	CPU software version. It is not available for the ONU without CPU and the HG device.
	ONU Hardware Version	1.3.6.1.4.1.5875.800.3.10.1.1.13	R	String	
	ONU Firmware Version	1.3.6.1.4.1.5875.800.3.10.1.1.14	R	String	
	ONU Remote Restart	1.3.6.1.4.1.5875.800.3.10.1.1.15	R/W	Int	Control command 1：Restart 0：Normal (only for query)
	Limit The Number Of MAC Address	1.3.6.1.4.1.5875.800.3.10.1.1.28	R/W	Int	That is ONU PON port limit. 0-16 000, 0:No Limit 说明： After configuration is complete without the use of the 1.3.6.1.4.1.5875.800.3.10.1.1.29 The application is not effective
	Apply The Successfully Limit The Number Of MAC Address	1.3.6.1.4.1.5875.800.3.10.1.1.29	W	Int	Application of the ONU representation 1: Apply

ONU type correspondence table:

ONU Type Code (Equipment)	ONUType
1	AN5006-02
2	AN5006-02A
3	AN5006-03
4	AN5006-04
5	AN5006-05
6	AN5006-05A
7	AN5006-06A
8	AN5006-06B
9	AN5006-06C
10	AN5006-06D
11	AN5006-07A
12	AN5006-07B
13	AN5006-08A
15	Other manufactory’s equipment type 1 (OTHER ONU 1)
16	Other manufactory’s equipment type 2 (OTHER ONU 2)
17	Other manufactory’s equipment type 3 (OTHER ONU 3)
18	Other manufactory’s equipment type 4 (OTHER ONU 4)
19	AN5006-03C
20	AN5006-04C
21	AN5006-02C
22	AN5006-05C
23	AN5006-09A
24	AN5006-09B
25	AN5006-10
26	AN5006-12
27	AN5006-15
28	AN5006-07C
29	AN5006-16
30	AN5006-06A-A
31	AN5006-10B
32	AN5006-20
33	HG220
34	AN5006-04P1
35	AN5006-01-B1
36	AN5006-01-A
37	AN5006-04P2

38	AN5006-11
39	AN5006-01-B
40	AN5006-20C
41	AN5006-20B
42	AN5200-10A
43	AN5200-10B
44	AN5200-04A
45	HG226
46	AN5006-03-AK
47	AN5006-09-AK
48	AN5006-07-AK
49	AN5006-10-AK
50	AN5006-12
90	AN5006-04-F1
100	Other manufactory's equipment type 6 (indicates one GE port)
101	Other manufactory's equipment type 7 (indicates four GE port)
0xFF	Other manufactory's equipment (OTHER ONU) (the code used by EPON)
331	Other manufactory's type (the code used by GPON only used for read-back. Cannot be delivered in configuration.)
340	AN5506-04B
341	AN5506-06
345	AN5506-07-B
348	AN5506-04-A
750	AN5506-04-C1
752	AN5506-07-A2
754	AN5506-07-A1
755	AN5506-07-B1
756	AN5506-09-A1
757	AN5506-09-B1
758	AN5506-10-A1
759	AN5506-10-B1
762	HG260
765	AN5506-04-F1
766	AN5506-04-G1
767	AN5506-04-A1
768	AN5506-04-B2
785	AN5506-01-A1
786	AN5506-01-B1

3.2 ONU Uplink Interface Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU uplink interface information	ONU Number (Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Port Name	1.3.6.1.4.1.5875.800.3.9.3.3.1.2	R	String	
	Port Description	1.3.6.1.4.1.5875.800.3.9.3.3.1.3	R/W	String	W is not available
	Port Type	1.3.6.1.4.1.5875.800.3.9.3.3.1.1	R	Int	
	Port Enable Status	1.3.6.1.4.1.5875.800.3.9.3.3.1.4	R	Int	1: Enable 0: Disable
	Interface Downlink Rate	1.3.6.1.4.1.5875.800.3.9.3.3.1.5	R	Int	Unit: Mbit/S
	Interface Uplink Rate	1.3.6.1.4.1.5875.800.3.9.3.3.1.12	R	Int	Unit:Mbit/S (Only available for Jiangsu test)

Note: the ONU should be online actually.

3.3 ONU Uplink Interface Optical Power

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU uplink interface optical power	ONU Number (Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	ONU Tx Optical Power	1.3.6.1.4.1.5875.800.3.9.3.3.1.7	R	Int	The parameter value divided by 100 equals the actual value (Unit:

					Dbm)
	ONU Tx Optical Power	1.3.6.1.4.1.5875.800.3.9.3.3.1.6	R	Int	The parameter value divided by 100 equals the actual value (Unit: Dbm)
	Temperature	**1.3.6.1.4.1.5875.800.3.9.3.3.1.10**	R	Int	The parameter value divided by 100 equals the actual value (Unit: ℃)
	Voltage	**1.3.6.1.4.1.5875.800.3.9.3.3.1.8**	R	Int	The parameter value divided by 100 equals the actual value (Unit: V)
	Bias Current	1.3.6.1.4.1.5875.800.3.9.3.3.1.9	R	Int	The parameter value divided by 100 equals the actual value (Unit: mA)
	ONU Optical Power Detection Switch	1.3.6.1.4.1.5875.800.3.9.3.3.1.11	R/W	Int	Only available for the 5116 1: available 2: not available

Note: the ONU should be online actually.

3.4 FE Port Information

Parameter Category	Parameter Name	OID	R/W ATTRIBUTE	Type	Description
FE port information	FE Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	
	Port Name	1.3.6.1.4.1.5875.800.3.9.3.1.1.6	R	String	
	Port Description	1.3.6.1.4.1.5875.800.3.9.3.1.1.7	R/W	String	Not available
	Port Type	1.3.6.1.4.1.5875.800.3.9.3.1.1.2	R	Int	The 5516： 2: FE port
	Port Status	1.3.6.1.4.1.5875.800.3.9.3.1.1.3	R	Int	The 5516： 1：enable 0：disable
	Port Mode	1.3.6.1.4.1.5875.800.3.9.3.1.1.8	R	Int	1: full duplex 0: half duplex
	Port Online Status	1.3.6.1.4.1.5875.800.3.9.3.1.1.4	R	Int	1：online 0：offline
	Port Rate	**1.3.6.1.4.1.5875.800.3.9.3.1.1.5**	R	Int	NGPON 和 GPON 0:10M 1:100M 2:1000M The unit is Mbit/s
	PVID	1.3.6.1.4.1.5875.800.3.9.3.1.1.11	R	Strin gInt	Port default VLAN (default value for the 5516: 4088)
	All VLANs	1.3.6.1.4.1.5875.800.3.9.3.1.1.9	R	String	All the VLANs under the port is devided by ":" Unavailable
	Learning MAC	1.3.6.1.4.1.5875.800.3.9.3.1.1.10	R	String	All the MACs under the port is devided by ":" Unavailable
	Auto-Negotiation Enable	1.3.6.1.4.1.5875.800.3.9.3.1.1.12	R	Int	The 5516： 1：enable 0：disable
	Limit The Number Of MAC Address	1.3.6.1.4.1.5875.800.3.9.3.1.1.13	R/W	Int	0-16 000, 0:No Limit 说明: After configuration is complete without the use of the 1.3.6.1.4.1.5875.800.3.10.1.1.29 The application is not effective

带格式的: 字体: 加粗

带格式的: 字体: 加粗

带格式的: 字体: 加粗

带格式表格

3.5 POT Port Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
POT port information	POT Port Index	1.3.6.1.4.1.5875.800.3.101.4.1.1	R	Int	
	Port Name	1.3.6.1.4.1.5875.800.3.9.3.2.1.2	R	String	
	Port Description	1.3.6.1.4.1.5875.800.3.9.3.2.1.3	R/W	String	W is not available
	Port Type	1.3.6.1.4.1.5875.800.3.9.3.2.1.1	R	Int	The 5516: 600
	Port Enable Status	1.3.6.1.4.1.5875.800.3.9.3.2.1.4	R	Int	The 5516： 1：enable 0：disable The 5116: 1: enable 2: disable
	Port Idle Status	1.3.6.1.4.1.5875.800.3.9.3.2.1.5	R	Int	0. the port is not activated 1. the port is registrating 2. the port is in idle status 3. the port is off-hook 4. the port is dialing 5. the port is ringing 6. the port is ringing back tone 7. the port is connecting 8. the port is connected 9. the port is hung up 10. the port is not connected 11. the port is busy 12. the port is failed to register

3.6 Unauthorized ONU Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Unauthorized ONU information	ONU Temporary ID(Index)	1.3.6.1.4.1.5875.800.3.11.1.1.1	R	Int	
	SLOT Number	1.3.6.1.4.1.5875.800.3.11.1.1.2	R	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.11.1.1.3	R	Int	
	ONUType	1.3.6.1.4.1.5875.800.3.11.1.1.4	R	Int	See ONU type correspondence table
	SN Logical Serial Number	1.3.6.1.4.1.5875.800.3.11.1.1.5	R	String	
	SN Password	1.3.6.1.4.1.5875.800.3.11.1.1.6	R	String	
	MAC Address	1.3.6.1.4.1.5875.800.3.11.1.1.7	R	String	

3.7 ONU Address Information Table

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU address information table	ONU IP (index)	1.3.6.1.4.1.5875.800.3.9.9.1.1.1	R	Int	Index (decimal notation)
	ONU slot	1.3.6.1.4.1.5875.800.3.9.9.1.1.2	R	Int	
	ONU PON port	1.3.6.1.4.1.5875.800.3.9.9.1.1.3	R	Int	
	ONU number	1.3.6.1.4.1.5875.800.3.9.9.1.1.4	R	Int	

Note: this function is only available for the Unicom in Jining, Shandong.

4. Traffic Collection

4.1 Card PON Port Traffic Collection Switch (the 5116)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Performance collection switch	Slot Index	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	Port Traffic Collection Switch	1.3.6.1.4.1.5875.800.3.8.1.1.2	R/W	Int	1: enable 0: disable

4.2 Traffic Collection Switch (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Traffic collection switch	Traffic Collection Application	1.3.6.1.4.1.5875.800.3.8.2	R	Int	1: available 0: not available
	Traffic Collection Switch	1.3.6.1.4.1.5875.800.3.8.3	R/W	Int	1: enable 0: disable

4.3 Port Traffic Collection (SNI,OLT PON,ONU PON,UNI, SSD)

Parameter Category	Parameter Name	OID	Type	Description	Remark
Port traffic collection	Port Logical Index	1.3.6.1.2.1.2.2.1.1	Int		Index
	Port Description	1.3.6.1.2.1.2.2.1.2	String		
	Port Type	1.3.6.1.2.1.2.2.1.3	Int		Other (1): the port type is PON port. regular1822 (2): the port type is FE port. hdh1822 (3): the port type is GE port. ddnX25 (4): the port type is Gigabit optical port. rfc877x25 (5): the port type is FXS port. ethernetCsmacd (6) : the port type is 10GE optical port. iso88023Csmacd (7): the port type is Gigabit electrical port.
	IfMtu	1.3.6.1.2.1.2.2.1.4	Int		
	Port Rate	1.3.6.1.2.1.2.2.1.5	Int	Unit: bps	
	Port Management Status	1.3.6.1.2.1.2.2.1.7	Int	1: up 2: down	
	Port Enable Status	1.3.6.1.2.1.2.2.1.8	Int	1: enable 2: disable	~~Port enable identifier~~
	Inflows Bytes	1.3.6.1.2.1.2.2.1.10	Int		
	Inflows Unicast Packet Number	1.3.6.1.2.1.2.2.1.11	Int		
	Inflows Non- Unicast Packet E Number	1.3.6.1.2.1.2.2.1.12	Int		
	Inflows Lost Packet Number	1.3.6.1.2.1.2.2.1.13	Int		
	Inflows Error Packet Number	1.3.6.1.2.1.2.2.1.14	Int		
	Inflows Unknown Packet Number	1.3.6.1.2.1.2.2.1.15	Int		0 is not supported by the 5516
	Outflows Bytes	1.3.6.1.2.1.2.2.1.16	Int		
	Outflows Unicast Packet Number	1.3.6.1.2.1.2.2.1.17	Int		
	Outflows Non- Unicast Packet Number	1.3.6.1.2.1.2.2.1.18	Int		
	Outflows Lost Packet Number	1.3.6.1.2.1.2.2.1.19	Int		

带格式的: 法语(法国)

带格式的: 字体: 加粗, 字体颜色: 自定义颜色 (RGB(31,73,125))

	Outflows Error Packet Number	1.3.6.1.2.1.2.2.1.20	Int		
	Inflows Multicast Packet Number	1.3.6.1.2.1.31.1.1.1.2	Int		
	Inflows Broadcast Packet Number	1.3.6.1.2.1.31.1.1.1.3	Int		
	Outflows Multicast Packet Number	1.3.6.1.2.1.31.1.1.1.4	Int		
	Outflows Broadcast Packet Number	1.3.6.1.2.1.31.1.1.1.5	Int		
	Inflows Bytes (64 Bits)	1.3.6.1.2.1.31.1.1.1.6	Counter64		
	Inflows Unicast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.7	Counter64		
	Inflows Multicast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.8	Counter64		
	Inflows Broadcast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.9	Counter64		
	Outflows Bytes (64 Bits)	1.3.6.1.2.1.31.1.1.1.10	Counter64		
	Outflows Unicast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.11	Counter64		
	Outflows Multicast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.12	Counter64		
	Outflows Broadcast Packet Number (64 Bits)	1.3.6.1.2.1.31.1.1.1.13	Counter64		
	Port Rate (64 Bits)	1.3.6.1.2.1.31.1.1.1.15	Counter64		

带格式的: 字体: 加粗

带格式的: 字体: 加粗

带格式的: 字体: 加粗

带格式的: 字体: 加粗

带格式的: 字体: 加粗

4.4 Port Traffic Collection Extending Part (OLT PON,ONU PON)

带格式的: 正文, 行距: 单倍行距, 制表位: 不在 0.2 英寸 + 0.4 英寸

Parameter Category	Parameter Name	OID	Type	Description	Remark
Port traffic collection Extending Part	Port Logical Index	1.3.6.1.2.1.2.2.1.1	Int		Index
	Inflows BIP8	1.3.6.1.4.1.5875.800.3.54.1.1.2	Int		
	Outflows BIP8	1.3.6.1.4.1.5875.800.3.54.1.1.3	Int		

5. System Configuration Management

5.1 ONU Authentication Mode (the 5116)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU authentication mode	Slot Number (Index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	MAC Authentication Whitelist Switch	1.3.6.1.4.1.5875.800.3.12.1.1.2	R/W	Int	1: enable 0: disable
	Logical Identifier Authentication Whitelist Switch	1.3.6.1.4.1.5875.800.3.12.1.1.3	R/W	Int	1: enable 0: disable

5.2 ONU Authorization Mode (the 5116)

Parameter Category	Parameter Name	OID	R/W Attribute	Example	Description
ONU authorization mode	Slot Number (Index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	ONU Authorization Mode	1.3.6.1.4.1.5875.800.3.13.1.1.2	R/W	Int	1: manual mode 2: auto mode 3: mixed mode

5.3 PON Port Authentication Mode (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
PON port authentication mode	PON Port Index (Index)	1.3.6.1.4.1.5875.800.3.101.6.1.1	R	Int	
	Authentication Mode	1.3.6.1.4.1.5875.800.3.14.1.1.2	R/W	Int	NGPON: 0- Physical identifier authentication;. 1- Physical identifier + physical password authentication. 2- Physical password authentication. 3- Logical identifier + logical password authentication. 4- Physical identifier / logical identifier (containing password) authentication. 5- Unauthentication. 6- Logical identifier authentication (not containing password). 7- Physical identifier / logical identifier (not containing password) authentication. 8- Logical password authentication.

5.4 Card Authorization (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Card authorization	Slot Number (Index)	1.3.6.1.4.1.5875.800.3.101.1.1.1	R	Int	
	Card Type	1.3.6.1.4.1.5875.800.3.15.1.1.2	R/W	Int	See correspondence table

5.5 ONU Physical Authentication Whitelist (the 5116)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes will be allocated to actual IDs.

带格式的: 法语(法国)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Add the physical authentication whitelist	Physical Whitelist ID (Index)	1.3.6.1.4.1.5875.800.3.1.1.1.1	R	Int	
	SLOT Number	1.3.6.1.4.1.5875.800.3.1.1.1.2	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.1.1.1.3	R/W	Int	
	Physical Authentication Identifier (MAC)	1.3.6.1.4.1.5875.800.3.1.1.1.4	R/W	String	
	Operation	1.3.6.1.4.1.5875.800.3.1.1.1.5	W	Int	4: Create 6: Delete

Apply the successfully added whitelist.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Whitelist application	Whitelist ID (Index)	1.3.6.1.4.1.5875.800.3.1.3	W	Int	0x1094: physical whitelist application

5.6 ONU Logical Authentication Whitelist (the 5116)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes will be allocated to actual IDs.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Add the logical authentication whitelist	Add the logical authentication whitelist	1.3.6.1.4.1.5875.800.3.1.2.1.1	R	Int	
	SLOT Number	1.3.6.1.4.1.5875.800.3.1.2.1.2	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.1.2.1.3	R/W	Int	
	Logical Authentication Identifier (SN)	1.3.6.1.4.1.5875.800.3.1.2.1.4	R/W	String	19 bytes
	Logical Authentication Password	1.3.6.1.4.1.5875.800.3.1.2.1.5	R/W	String	
	Operation	1.3.6.1.4.1.5875.800.3.1.2.1.6	W	Int	4: Create 6: Delete

Apply the successfully added whitelist.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Whitelist application	Whitelist application	1.3.6.1.4.1.5875.800.3.1.3	W	Int	0x1093: logical whitelist application

5.7 ONU Physical Authentication Whitelist (the 5516)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes will be allocated to actual IDs.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Add the physical authentication whitelist	Physical Identifier Whitelist ID	1.3.6.1.4.1.5875.800.3.1.4.1.1	R	Int	
	SLOT Number	1.3.6.1.4.1.5875.800.3.1.4.1.2	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.1.4.1.3	R/W	Int	
	ONU Type	1.3.6.1.4.1.5875.800.3.1.4.1.4	R/W	Int	
	ONU Type	1.3.6.1.4.1.5875.800.3.1.4.1.5	R/W	Int	See ONU type correspondence table
	MAC Address	1.3.6.1.4.1.5875.800.3.1.4.1.6	R/W	String	
	Password	1.3.6.1.4.1.5875.800.3.1.4.1.7	R/W	String	If there is no password, leave it unfilled.
	Operation	1.3.6.1.4.1.5875.800.3.1.4.1.8	W	Int	4: create 6: delete 7: modify

5.8 ONU Logical Authentication Whitelist (the 5516)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes will be allocated to actual IDs.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description

Add the logical authentication whitelist	SN Whitelist ID	1.3.6.1.4.1.5875.800.3.1.5.1.1	R	Int	
	SLOT Number	1.3.6.1.4.1.5875.800.3.1.5.1.2	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.1.5.1.3	R/W	Int	
	ONU Number	1.3.6.1.4.1.5875.800.3.1.5.1.4	R/W	Int	
	ONU Type	1.3.6.1.4.1.5875.800.3.1.5.1.5	R/W	Int	See ONU type correspondence table
	SN	1.3.6.1.4.1.5875.800.3.1.5.1.6	R/W	String	
	Password	1.3.6.1.4.1.5875.800.3.1.5.1.7	R/W	String	If there is no password, leave it unfilled.
	Operation	1.3.6.1.4.1.5875.800.3.1.5.1.8	W	Int	4: create 6:delete 7:modify

5.9 ONU Physical Authentication Whitelist Query

Description:

The MAC of the EPON ONU is 54 4b 71 00 1e a8.

The input OID is: 84.75.113.0.30.168; in which, 0x54 is decimally converted into 84, and so on.

The MAC of GPON ONU is FTTH00000001, totally 12 bytes.

The input OID is: 70.84.84.72.48.48.48.48.48.48.48.49; in which, byte F is decimally converted into 70, and so on.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
MAC query	MAC Address (Index)	1.3.6.1.4.1.5875.800.3.21.1.1.1	R	String	
	ONU Number	1.3.6.1.4.1.5875.800.3.21.1.1.2	R	Int	
	Physical Whitelist ID	1.3.6.1.4.1.5875.800.3.21.1.1.3	R	Int	

5.10 ONU Logical Authentication Whitelist Query

Description:

The SN of ONU is 0000000000000000000, totally nineteen 0s.

The input OID is: 48.48.48.48.48.48.48.48.48.48.48.48.48.48.48.48.48.48.48.48; in which, byte 0 is decimally converted into 48, and so on.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
SN query	SN (Index)	1.3.6.1.4.1.5875.800.3.22.1.1.1	R	String	
	ONU Number	1.3.6.1.4.1.5875.800.3.22.1.1.2	R	Int	
	Logical Whitelist ID	1.3.6.1.4.1.5875.800.3.22.1.1.3	R	Int	

5.11 Local VLAN Configuration

Note: The local VLAN configuration is used by both data service and voice service.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Local VLAN configuration	Local VLAN configuration	1.3.6.1.4.1.5875.800.3.16.1.1.1	R	Int	
	Service Name	1.3.6.1.4.1.5875.800.3.16.1.1.2	R/W	String	
	Outer Starting VLAN ID	1.3.6.1.4.1.5875.800.3.16.1.1.3	R/W	Int	
	Outer Ending VLAN ID	1.3.6.1.4.1.5875.800.3.16.1.1.4	R/W	Int	
	Uplink Interface Number or TRUNK Group Number	1.3.6.1.4.1.5875.800.3.16.1.1.5	R/W	Int	1-7 51-TRUNK group 1 (TRUNK group 1) 52- TRUNK group 2 (TRUNK group 2) 53- TRUNK group 3 (TRUNK group 3)
	Tag	1.3.6.1.4.1.5875.800.3.16.1.1.6	R/W	Int	NGPON: 0 untag 1 tag
	Operation	1.3.6.1.4.1.5875.800.3.16.1.1.7	W	Int	4:create 6:delete 7:modify

	Get Free VLAN Configuration ID	1.3.6.1.4.1.5875.800.3.16.2	R	Int	Leaf node

5.12 OLT Uplink TRUNK

Parameter Category	Parameter Name	OID	R/W Attribute	Example	Description
TRUNK port link aggregation	TRUNK port link aggregation	1.3.6.1.4.1.5875.800.3.18.1.1.1	R	Int	
	TRUNK Group Master Port	1.3.6.1.4.1.5875.800.3.18.1.1.2	R/W	Int	The 5116: Direct port number 5516: Logical port number, composed of the SLOT number and PON number.
	TRUNK Group Member Port	1.3.6.1.4.1.5875.800.3.18.1.1.3	R/W	Int	The 5116: The bit of a byte indicates whether the port is the TRUNK group member. For example: if bit0 is 1, the port 1 is the TRUNK group member; if bit1 is 0, the port 2 is not the TRUNK group member. There are totally 7 ports, indicated by bit0 to bit6. The 5516: 32 bit integer: 0 to 31bit from right to left. Among which, 0 to 5 bits indicate the first group ports (1 to 6) and 16 to 21 bits indicate the second group ports (1 to 6).
	Operation	1.3.6.1.4.1.5875.800.3.18.1.1.4	R/W	Int	4:create 6:delete 7:modify
	Get Free Link Group SN	1.3.6.1.4.1.5875.800.3.18.2	R	Int	Leaf node

5.13 Management VLAN Configuration of the ONU

Note: Management VLAN configuration is only available for the 20-type and 15/16-type ONU.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Management VLAN of ONU	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	Management VLAN Index	1.3.6.1.4.1.5875.800.3.17.1.1.1	R	Int	Index
	Physical Authentication Identifier (MAC)	1.3.6.1.4.1.5875.800.3.17.1.1.2	R/W	String	
	Management VLAN Name	1.3.6.1.4.1.5875.800.3.17.1.1.4	R/W	String	
	Port Number	1.3.6.1.4.1.5875.800.3.17.1.1.5	R/W	Int	
	Tag	1.3.6.1.4.1.5875.800.3.17.1.1.6	R/W	Int	
	Management Svlan	1.3.6.1.4.1.5875.800.3.17.1.1.7	R/W	Int	
	Management Svlan Priority	1.3.6.1.4.1.5875.800.3.17.1.1.8	R/W	Int	
	Management Cvlan	1.3.6.1.4.1.5875.800.3.17.1.1.9	R/W	Int	
	Management Cvlan Priority	1.3.6.1.4.1.5875.800.3.17.1.1.10	R/W	Int	
	IP Address	1.3.6.1.4.1.5875.800.3.17.1.1.11	R/W	IP ADDRESS	
	Mask	1.3.6.1.4.1.5875.800.3.17.1.1.12	R/W	IP ADDRESS	
	Gateway	1.3.6.1.4.1.5875.800.3.17.1.1.13	R/W	IP ADDRESS	

	Operation	1.3.6.1.4.1.5875.800.3.17.1.1.14	W	Int	7:modify

Note: The configuration is not available.

5.14 Port Enable of The Equipment

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
PON port of the OLT	PON Port Index	1.3.6.1.4.1.5875.800.3.101.6.1.1	R	Int	
	Port Enable Status	1.3.6.1.4.1.5875.800.3.2.3.1.1	R/W	Int	1: enable 0: disable

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Data port of the ONU	Data Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	
	Port Enable Status	1.3.6.1.4.1.5875.800.3.2.2.1.2	R/W	Int	1: enable 0: disable

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Data port of the ONU	ONU IP		R	ipAddress	Index
	Port Number		R		Index
	Port Enable Status		R/W	Int	1: enable 0: disable

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Voice port of the ONU	Voice Port Index	1.3.6.1.4.1.5875.800.3.101.4.1.1	R	Int	
	Port Enable Status	1.3.6.1.4.1.5875.800.3.2.1.1.2	R/W	Int	1: Enable 0: Disable

5.15 ONU Physical Authentication (Not Available for the 5116)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Physical authentication	ONU Index (Logical Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	SLOT Number	1.3.6.1.4.1.5875.800.3.25.1.1.1	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.25.1.1.2	R/W	Int	
	ONU Number	1.3.6.1.4.1.5875.800.3.25.1.1.3	R/W	Int	The ONU number is the pre-allocated ONU authorization number
	ONU Type	1.3.6.1.4.1.5875.800.3.25.1.1.4	R/W	Int	See ONU type correspondence table
	MAC Address	1.3.6.1.4.1.5875.800.3.25.1.1.5	R/W	String	
	Password	1.3.6.1.4.1.5875.800.3.25.1.1.6	R/W	String	If there is no password, leave it unfilled.
	Operation	1.3.6.1.4.1.5875.800.3.25.1.1.17	W	Int	4:create 6:delete

5.16 ONU Logical Authentication (the 5116)

Index description: The indexes deliver 0x ffffffff when being created and the created indexes will be the logical index of the actual ONU.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Logical authentication	ONU Index (Logical Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	SLOT Number	1.3.6.1.4.1.5875.800.3.25.2.1.1	R/W	Int	
	PON Number	1.3.6.1.4.1.5875.800.3.25.2.1.2	R/W	Int	
	ONU Number	1.3.6.1.4.1.5875.800.3.25.2.1.3	R/W	Int	The ONU number is the pre-allocated ONU authorization number
	ONU Type	1.3.6.1.4.1.5875.800.3.25.2.1.4	R/W	Int	See ONU type

					correspondence table
	SN	1.3.6.1.4.1.5875.800.3.25.2.1.5	R/W	String	
	Password	1.3.6.1.4.1.5875.800.3.25.2.1.6	R/W	String	If there is no password, leave it unfilled.
	Operation	1.3.6.1.4.1.5875.800.3.25.2.1.17	W	Int	4:create 6:delete

5.17 Save Configuration To FLASH (the 5116)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Save configuration to FLASH	FLASH Operation	1.3.6.1.4.1.5875.89.1.3.3.3	W	Int	0:Write the configuration into the FLASH 1: Clear the configuration in the FLASH

5.18 Save Configuration To FLASH (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Save configuration to FLASH	FLASH Operation	1.3.6.1.4.1.5875.800.3.20.1	W	Int	1: Write the configuration into the FLASH

5.19 SNMP Community

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
SNMP Community	Community Index	1.3.6.1.4.1.5875.800.3.23.4.1.1	R	Int	
	SNMP Community	1.3.6.1.4.1.5875.800.3.23.4.1.2	R	String	
	SNMP Community Authority	1.3.6.1.4.1.5875.800.3.23.4.1.3	R	Int	1: ro (1) 2: rw (2)

5.20 SNMP TRAP Information

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
SNMP TRAP	Trap Index	1.3.6.1.4.1.5875.800.3.23.3.1.1	R	Int	
	Trap IP Address	1.3.6.1.4.1.5875.800.3.23.3.1.2	R/W	ipAddress	
	Trap IP Port	1.3.6.1.4.1.5875.800.3.23.3.1.3	R/W	int	
	Trap IP Version	1.3.6.1.4.1.5875.800.3.23.3.1.4	R/W	Int	1: v1 2: v2c
	Trap Report Version	1.3.6.1.4.1.5875.800.3.23.3.1.5	R/W	Int	0:privFormat 1:stdFormat
	Trap Community	1.3.6.1.4.1.5875.800.3.23.3.1.6	R/W	String	
	Operation	1.3.6.1.4.1.5875.800.3.23.3.1.20	R/W	Int	4:create 6:delete 7:modify

Not: only R is supported.

5.21 SNMP Extended Community

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
SNMP Extended Community	Community Index	1.3.6.1.4.1.5875.800.3.23.6.1.1	R	Int	1-10
	SNMP Community	1.3.6.1.4.1.5875.800.3.23.6.1.2	R	String	
	SNMP Community Authority	1.3.6.1.4.1.5875.800.3.23.6.1.3	R	Int	1: ro (1) 2: rw (2)

带格式的: 项目符号和编号

带格式的: 两端对齐

6. Data Service Configuration Function

6.1 Rate Control for the PON Port of the ONU

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Rate control for the PON port of the ONU	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Uplink Bandwidth	1.3.6.1.4.1.5875.800.3.19.1.1.1	R/W	Int	Unit: kps
	Downlink Bandwidth	1.3.6.1.4.1.5875.800.3.19.1.1.2	R/W	Int	Unit: kps
	Uplink Assured Bandwidth	1.3.6.1.4.1.5875.800.3.19.1.1.3	R/W	Int	The fixed value is 0 for the 5516
	Uplink Fixed Bandwidth	1.3.6.1.4.1.5875.800.3.19.1.1.4	R/W	Int	The fixed value is 0 for the 5516
	Operation	1.3.6.1.4.1.5875.800.3.19.1.1.5	W	Int	7:modify

6.2 Port Property Profile and Binding of the ONU

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port property profile	Profile ID (Index)	1.3.6.1.4.1.5875.800.3.3.3.1.1	R	Int	
	Profile Name	1.3.6.1.4.1.5875.800.3.3.3.1.2	R/W	String	
	Auto Negotiate	1.3.6.1.4.1.5875.800.3.3.3.1.3	R/W	Int	5516: 1: Enable 0: Disable 5116: 1: Enable 2: Disable
	Rate	1.3.6.1.4.1.5875.800.3.3.3.1.4	R/W	Int	0: 10M 1: 100M 2: 1000M
	Duplex	1.3.6.1.4.1.5875.800.3.3.3.1.5	R/W	Int	1: Enable 0: Disable
	Flow Control	1.3.6.1.4.1.5875.800.3.3.3.1.6	R/W	Int	1: Enable 0: Disable
	Operation	1.3.6.1.4.1.5875.800.3.3.3.1.10	W	Int	4:create 6:delete 7:modify
	Get Free Profile ID	1.3.6.1.4.1.5875.800.3.3.10.2	R	Int	Leaf node

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port property profile binding	Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	
	Profile Name Binding	1.3.6.1.4.1.5875.800.3.3.4.1.1	R/W	String	
	Profile Unbinding	1.3.6.1.4.1.5875.800.3.3.4.1.2	R/W	Int	0: unbind

6.3 Port Bandwidth Profile and Binding of the ONU (5516：support FTTH/FTTB； 5116：support FTTB)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port bandwidth profile	Profile ID (Index)	1.3.6.1.4.1.5875.800.3.3.1.1.1	R	Int	
	Profile Name	1.3.6.1.4.1.5875.800.3.3.1.1.2	R/W	String	
	Service Uplink Minimum Assured Bandwidth	1.3.6.1.4.1.5875.800.3.3.1.1.3	R/W	Int	Major parameter
	Service Uplink Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.3.1.1.4	R/W	Int	
	Service Downlink Minimum Assured Bandwidth	1.3.6.1.4.1.5875.800.3.3.1.1.5	R/W	Int	Major parameter
	Service Downlink Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.3.1.1.6	R/W	Int	
	Service Uplink Fixed Allocated Bandwidth	1.3.6.1.4.1.5875.800.3.3.1.1.7	R/W	Int	
	Operation	1.3.6.1.4.1.5875.800.3.3.1.1.12	W	Int	4:create 6:delete 7:modify
	Get Free Profile ID	1.3.6.1.4.1.5875.800.3.3.10.1	R	Int	Leaf node

You can bind the profile using the profile ID or profile name.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port bandwidth profile binding	Port Index	1.3.6.1.4.1.5875.800.3.3.2.1.1	R	Int	
	Profile ID Binding	1.3.6.1.4.1.5875.800.3.3.2.1.2	R/W	Int	
	Profile Name Binding	1.3.6.1.4.1.5875.800.3.3.2.1.4	R/W	String	
	Profile Unbinding	1.3.6.1.4.1.5875.800.3.3.2.1.5	R/W	Int	0: unbind

6.4 GPON Service Bandwidth Allocation

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
GPON service bandwidth allocation	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Service Type (Index)	1.3.6.1.4.1.5875.800.3.50.1.1.1.1	R	Int	1: IGMP 2: Data 3: Voice 4: TDM 5: Integrate
	Fixed Bandwidth	1.3.6.1.4.1.5875.800.3.50.1.1.1.2	R/W	Int	
	Assured Bandwidth	1.3.6.1.4.1.5875.800.3.50.1.1.1.3	R/W	Int	
	Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.50.1.1.1.4	R/W	Int	
	Operation	1.3.6.1.4.1.5875.800.3.50.1.1.1.10	W	Int	4:create 6:delete 7:modify

6.5 Data Service Configuration

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Data service configuration	Logical Port Number (Index)	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	
	Service ID (Index)	1.3.6.1.4.1.5875.800.3.5.1.1.1	R/W	String	1 -16
	Service Type (Unicast / Multicast)	1.3.6.1.4.1.5875.800.3.5.1.1.2	R/W	Int	Data service configuration
	Cvlan Mode	1.3.6.1.4.1.5875.800.3.5.1.1.3	R/W	Int	1:TAG 3: Transparent
	Cvlan ID	1.3.6.1.4.1.5875.800.3.5.1.1.4	R/W	Int	1 – 4085，65535
	CVLAN PON Priority or COS	1.3.6.1.4.1.5875.800.3.5.1.1.5	R/W	Int	0-7 255
	Translation Vid	1.3.6.1.4.1.5875.800.3.5.1.1.6	R/W	Int	1 - 4085，65535: translation disabled
	Translation VLAN PON Priority or COS	1.3.6.1.4.1.5875.800.3.5.1.1.7	W	Int	0-7 255
	Svlan ID	1.3.6.1.4.1.5875.800.3.5.1.1.8	R	Int	1 - 4085，65535:QINQ disabled
	SVLAN PON Priority or COS	1.3.6.1.4.1.5875.800.3.5.1.1.9			0-7 255
	Uplink Minimum Bandwidth	1.3.6.1.4.1.5875.800.3.5.1.1.10			0-1000000 This value is invalid for GPON ONU
	Uplink Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.5.1.1.11			256-1000000
	Downlink Bandwidth	1.3.6.1.4.1.5875.800.3.5.1.1.12			0-1000000
	VLAN Name	1.3.6.1.4.1.5875.800.3.5.1.1.15			Length <=30
	QINQ Profile Name	1.3.6.1.4.1.5875.800.3.5.1.1.16			Length <=16, If the QINQ is disabled, this value is invalid.
	Operation	1.3.6.1.4.1.5875.800.3.5.1.1.20			4:create 6:delete 7:modify
	Get The Next Index	1.3.6.1.4.1.5875.800.3.5.2.1.1			The index indicates the

					port

Apply the successfully configured service.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Apply the successfully configured service.	ONU Index (Index)	1.3.6.1.2.1.2.2.1.1	R	Int	The ONU acts as the index, and the previous logical port index is also compatible.
	Service Application	1.3.6.1.4.1.5875.800.3.5.3.1.1	R/W	Int	1: apply

6.6 QINQ Domain Profile Binding

Instruction: Multiple QINQ domain profiles can be bound to one ONU.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
QINQ profile	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	QINQ Domain Profile Name	1.3.6.1.4.1.5875.800.3.7.3.1.1	W	String	
	Bind / Unbind	1.3.6.1.4.1.5875.800.3.7.3.1.2	W	Int	1: bind 0: unbind
	Get The Bound Profile Name On The ONU	1.3.6.1.4.1.5875.800.3.7.3.1.3	R/W	String	

6.7 QINQ Domain Rate Control of the ONU

Parameter Name	OID	R/W Attribute	Type	Description
ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
QINQ Domain Name	1.3.6.1.4.1.5875.800.3.7.4.1.1	R	String	Index The name acts as the index, which is composed of length and ASCII. e.g. if the profile name is abc, the index is 3.97.98.99.
QINQ Profile Service ID	1.3.6.1.4.1.5875.800.3.7.4.1.2	R	Int	Index
Uplink Minimum Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.3	R/W	Int	Unit: kps
Uplink Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.4	R/W	Int	Unit: kps
Uplink Burst Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.5	R/W	Int	Unit: kps
Downlink Minimum Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.6	R/W	Int	Unit: kps
Downlink Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.7	R/W	Int	Unit: kps
Downlink Burst Bandwidth	1.3.6.1.4.1.5875.800.3.7.4.1.8	R/W	Int	Unit: kps
Operation	1.3.6.1.4.1.5875.800.3.7.4.1.20	R/W	Int	7: configure

Apply the successfully rate-controlled QINQ domain

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
QINQ domain rate-control application	ONU Number (Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	QINQ Rate-Control Application	1.3.6.1.4.1.5875.800.3.7.5.1.1	R/W	Int	1: apply

6.8 QINQ Domain Creation

Primary profile creation of the QINQ domain

Parameter Name	OID	R/W Attribute	Type	Description
QINQ Domain Name	1.3.6.1.4.1.5875.800.3.7.7.1.1	R,create	String Index	The name acts as the index, which is composed of length and ASCII. e.g. if the profile name is abc, the index is 3.97.98.99.
Operation	1.3.6.1.4.1.5875.800.3.7.7.1.4	R/W	Int	4. create 6: delete
QINQ Domain	1.3.6.1.4.1.5875.800.3.7.7.1.5	R	Int	The service quantity contained in

Service Quantity				this domain.
Get The Free Service ID of The Domain	1.3.6.1.4.1.5875.800.3.7.7.1.6	R	Int	Create the service of this domain after the ID is obtained.

Note: The QINQ domain has only one domain name.

Second profile creation of the QINQ domain (domain service creation)

Parameter Name	OID	R/W Attribute	Type	Description
QINQ Domain Name		R	String Index	The name acts as the index, which is composed of length and ASCII.
Service ID	1.3.6.1.4.1.5875.800.3.7.8.1.1	R,create	Int	The service ID is unique in the QINQ domain and identifies a unique service.
Service Type	1.3.6.1.4.1.5875.800.3.7.8.1.2	R/W	Int	0: unique 1: shared
Original Layer 1 VLAN	1.3.6.1.4.1.5875.800.3.7.8.1.4	R/W	Int	0 to 4085, 0xffff
COS of Original Layer 1 VLAN	1.3.6.1.4.1.5875.800.3.7.8.1.5	R/W	Int	0 to 7
Layer 1 VLAN Action	1.3.6.1.4.1.5875.800.3.7.8.1.6	R/W	Int	1: add 2: translate 3: transparent
Layer 1 VLAN Priority	1.3.6.1.4.1.5875.800.3.7.8.1.7	R/W	Int	0 to 7, 0xff (null)
Layer 1 VLAN TPID	1.3.6.1.4.1.5875.800.3.7.8.1.8	R/W	Int	Default value: 0x8100
Layer 1 New Vid	1.3.6.1.4.1.5875.800.3.7.8.1.9	R/W	Int	1 to 4085, 0xffff (null)
Original Layer 2 VLAN	1.3.6.1.4.1.5875.800.3.7.8.1.10	R/W	Int	0 to 4085, 0xffff
COS of Original Layer 2 VLAN	1.3.6.1.4.1.5875.800.3.7.8.1.11	R/W	Int	0 to 7
Layer 2 VLAN Action	1.3.6.1.4.1.5875.800.3.7.8.1.12	R/W	Int	1: add 2: translate 3: transparent
Layer 2 VLAN Priority	1.3.6.1.4.1.5875.800.3.7.8.1.13	R/W	Int	0 to 7, 0xff (null)
Layer 2 VLAN TPID	1.3.6.1.4.1.5875.800.3.7.8.1.14	R/W	Int	Default value: 0x8100
Layer 2 New Vid	1.3.6.1.4.1.5875.800.3.7.8.1.15	R/W	Int	1 to 4085,0xffff(null)
Uplink Rule Domain	1.3.6.1.4.1.5875.800.3.7.8.1.30	R/W	Int	Default value: 1 See the note for the parameter value.
Uplink Domain Value	1.3.6.1.4.1.5875.800.3.7.8.1.31	R/W	String	Default value: 00 00 00 00 00 02 00 00 See the note for the parameter value.
Uplink Operator	1.3.6.1.4.1.5875.800.3.7.8.1.32	R/W	Int	Default value: 5 See the note for the parameter value.
Downlink Rule Domain	1.3.6.1.4.1.5875.800.3.7.8.1.33	R/W	Int	Default value: 2 See the note for the parameter value.
Downlink Domain Name	1.3.6.1.4.1.5875.800.3.7.8.1.34	R/W	String	Default value: 00 00 00 00 00 01 00 00 See the note for the parameter value.
Downlink Operator	1.3.6.1.4.1.5875.800.3.7.8.1.35	R/W	Int	Default value: 5 See the note for the parameter value.
Operation	1.3.6.1.4.1.5875.800.3.7.8.1.100	R/W	Int	4:create 6:delete

QINQ service multi-rule domain

Parameter	OID	R/W	Type	Description

Name		Attribute		
QINQ Domain Name	1.3.6.1.4.1.5875.800.3.7.7.1.1	R	String Index	The name acts as the index, which is composed of length and ASCII.
Service ID	1.3.6.1.4.1.5875.800.3.7.8.1.1	R	Int Index	The service ID is unique in the QINQ domain and identifies a unique service.
Rule Domain Term Index	1.3.6.1.4.1.5875.800.3.7.9.1.3	R	Int Index	
Uplink Rule Domain	1.3.6.1.4.1.5875.800.3.7.9.1.4	R/W	Int	
Uplink Domain Value	1.3.6.1.4.1.5875.800.3.7.9.1.5	R/W	String	
Uplink Operator	1.3.6.1.4.1.5875.800.3.7.9.1.6	R/W	Int	
Downlink Rule Domain	1.3.6.1.4.1.5875.800.3.7.9.1.7	R/W	Int	
Downlink Domain Value	1.3.6.1.4.1.5875.800.3.7.9.1.8	R/W	String	
Downlink Operator	1.3.6.1.4.1.5875.800.3.7.9.1.9	R/W	Int	
Get Service Domian Rule Domain Index	1.3.6.1.4.1.5875.800.3.7.8.1.36	R	Int	Get the rule domain index of the service domian
Operation	1.3.6.1.4.1.5875.800.3.7.9.1.20	R/W	Int	4:create 6:delete 7:modify

Note:

Rule domain	1: sink mac 2: source mac 3: Ethernet Type 4:vlan4 5:vlan3 6: vlan2 7: vlan1 8: service type 10: time to live 11: protocol type 12: source ip 14: sink ip 16: layer 4 source port number 17: layer 4 sink port number 18:cos4 19:cos3 20:cos2 21:cos1
Domain value	1: DA (6 bytes) 2: SA (6 bytes) 3: ethtype (2 bytes, 0 to 0xffff) 4: vlan4 (2 bytes, 0 to 4085), 5: vlan3 (2 bytes, 0 to 4085), 6: vlan2 (2 bytes, 0 to 4085), 7: vlan1 (2 bytes, 0 to 4085), 8: TOS (1 byte, 0-0xff) , 10: TTL (1 byte, 0 to 0xff) , 11: protocol type (1 bytes, 0-0xff) , 12: sip (4 bytes), 14: dip (4 bytes), 16: L4srcport (2 bytes, 0 to 0xffff) 17: L4dstport (2 bytes, 0 to 0xffff) 18: cos4 (1 bytes, 0 to 7) 19 cos3 (1 bytes, 0 to 7) 20 cos2 (1 bytes, 0 to 7) 21 cos1 (1 bytes, 0 to 7)
Operator	0: Never match

	1: Equal (==) 2: no Equal (!=) 3: Less than or equal (<=) 4: Greater than or equal (>=) 5: exist 6: no exist 7: always

6.9 ONU Remote Management Configuration (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU remote management configuration	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	ACS Server URL	1.3.6.1.4.1.5875.800.3.30.1.1.1	R/W	String	
	Username For Connecting ACS Server	1.3.6.1.4.1.5875.800.3.30.1.1.2	R/W	String	
	Password For Connecting ACS Server	1.3.6.1.4.1.5875.800.3.30.1.1.3	R/W	String	
	Operation	1.3.6.1.4.1.5875.800.3.30.1.1.4	R/W	Int	7:modify

6.10 ONU VEIP Management Channel Configuration (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU VEIP management channel configuration	Logical Port Number (Index)	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	Acquisition	1.3.6.1.4.1.5875.800.3.30.2.1.1	R/W	Int	0: DHCP 1: Static If the value is 0, keep null for the following 4 items.
	Static IP Address	1.3.6.1.4.1.5875.800.3.30.2.1.2	R/W	String	
	Gateway	1.3.6.1.4.1.5875.800.3.30.2.1.3	R/W	String	
	First-Choice DNS	1.3.6.1.4.1.5875.800.3.30.2.1.4	R/W	String	
	Standby DNS	1.3.6.1.4.1.5875.800.3.30.2.1.5	R/W	String	
	Network Port Number	1.3.6.1.4.1.5875.800.3.30.2.1.6	R/W	Int	0 to 65535
	Management CVLAN	1.3.6.1.4.1.5875.800.3.30.2.1.7	R/W	Int	1 to 4085 0xffff (null)
	Management CVLAN Priority	1.3.6.1.4.1.5875.800.3.30.2.1.8	R/W	Int	0 to 7, 0xffff (null)
	Mask	1.3.6.1.4.1.5875.800.3.30.2.1.9	R/W	Int	
	Operation	1.3.6.1.4.1.5875.800.3.30.2.1.30	R/W	Int	4:create 6:delete 7:modify

6.11 ONU VEIP Data Service Configuration (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
ONU VEIP data service configuration	Logical Port Number (Index)	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	Service SN (Index)	1.3.6.1.4.1.5875.800.3.30.3.1.1	R	Int	Index 1 to 16
	TLS	1.3.6.1.4.1.5875.800.3.30.3.1.2	R/W	Int	0: non-TLS 1: TLS One VEIP port can only have one TLS.
	CVLAN ID	1.3.6.1.4.1.5875.800.3.30.3.1.3	R/W	Int	1 to 4085 0xffff (null)
	CVLAN PON Priority	1.3.6.1.4.1.5875.800.3.30.3.1.4	R/W	Int	0 to 7 0xffff (null)
	Translation VID	1.3.6.1.4.1.5875.800.3.30.3.1.5	R/W	Int	1 to 4085 0xffff (null)
	Translation VLAN PON Priority or COS	1.3.6.1.4.1.5875.800.3.30.3.1.6	R/W	Int	0 to 7 0xffff (null)
	SVLAN ID	1.3.6.1.4.1.5875.800.3.30.3.1.7	R/W	Int	1 to 4085

					0xffff (null)
	SVLAN PON Priority or COS	1.3.6.1.4.1.5875.800.3.30.3.1.8	R/W	Int	0 to 7 0xffff (null)
	Uplink Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.30.3.1.9	R/W	Int	
	Downlink Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.30.3.1.10	R/W	Int	
	Service Model Profile	1.3.6.1.4.1.5875.800.3.30.3.1.11	R/W	String	Service model profile name
	Get The Next Free Service ID	1.3.6.1.4.1.5875.800.3.30.4	R	Int	Obtain the available service ID (the node of the EPON3.1 is abandoned)
	Operation	1.3.6.1.4.1.5875.800.3.30.3.1.1~~3~~2	R/W	Int	4:create 6:delete 7:modify

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Get the next free service ID	Logical Port Number (Index)	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	Get The Next Free Service ID	1.3.6.1.4.1.5875.800.3.30.4.1.1	R	Int	Obtain the available service ID (available for the EPON3.1)

6.12 VLAN Forwarding Performance Statistics (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
VLAN forwarding performance statistics (the 5516)	Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	VLAN ID (Index)	1.3.6.1.4.1.5875.800.3.8.7.1.1	R	Int	Index
	Uplink Transmitted message quantity	1.3.6.1.4.1.5875.800.3.8.7.1.2	R	Counter32	0 to 2147483647
	Downlink Transmitted message quantity	1.3.6.1.4.1.5875.800.3.8.7.1.3	R	Counter32	0 to 2147483647
	Uplink Transmitted byte quantity	1.3.6.1.4.1.5875.800.3.8.7.1.4	R	Counter32	0 to 2147483647
	Downlink Transmitted byte quantity	1.3.6.1.4.1.5875.800.3.8.7.1.5	R	Counter32	0 to 2147483647
	Uplink discarded message quantity	1.3.6.1.4.1.5875.800.3.8.7.1.6	R	Counter64	0 to 1.85E19
	Downlink discarded message quantity	1.3.6.1.4.1.5875.800.3.8.7.1.7	R	Counter64	0 to 1.85E19

6.13 Querying Corresponggding Svlan According to Cvlan (the 5516)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Query svlan	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	Cvlan Value	1.3.6.1.4.1.5875.800.3.26.1.1.1	R	Int	Index
	Svlan Value	1.3.6.1.4.1.5875.800.3.26.1.1.2	R	Int	

Note: this function is only available for Jiangsu Unicom.

6.14 Multicast Configuration and Status

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Multicast basic configuration	Multicast mode	1.3.6.1.4.1.5875.800.3.24.1.1	R/W	Int	1. Controllable 2. Proxy 3. Snooping 4. Proxy-Snooping 5. Disable 6. Active snooping
	Multicast vlan	1.3.6.1.4.1.5875.800.3.24.1.2	R/W	Int	
	Multicast Proxy IP	1.3.6.1.4.1.5875.800.3.24.1.3	R/W	ipAddress	
	Multicast Protocol Version	1.3.6.1.4.1.5875.800.3.24.1.4	R/W	Int	1: igmp version 1/2 2: igmp version 3

Note: This function is only available for the CHT test, and only R is supported.

6.15 ONU Port Multicast Configuration

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Multicast port configuration	Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	Multicast Profile Index	1.3.6.1.4.1.5875.800.3.24.8.1.1	R	Int	Index
	Port Controllable Switch	1.3.6.1.4.1.5875.800.3.24.8.1.2	R/W	Int	0:non-controllable 1:controllable
	Multicast Profile Name	1.3.6.1.4.1.5875.800.3.24.8.1.3	R/W	String	
	Leave Mode	1.3.6.1.4.1.5875.800.3.24.8.1.4	R/W	Int	0: Normal 1: Fast
	Maximum Online Group Number	1.3.6.1.4.1.5875.800.3.24.8.1.5	R/W	Int	
	Port Bandwidth	1.3.6.1.4.1.5875.800.3.24.8.1.6	R/W	Int	
	Port Signal vlan	1.3.6.1.4.1.5875.800.3.24.8.1.7	R/W	Int	
	Operation	1.3.6.1.4.1.5875.800.3.24.8.1.20	R/W	Int	4:create 6:delete 7:modify

Note: This function is only available for the CHT test, and only R is supported.

6.16 Multicast Protocol Parameter

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Multicast protocol parameter	Robustness Index	1.3.6.1.4.1.5875.800.3.24.2.1	R/W	Int	
	General Query Response Interval	1.3.6.1.4.1.5875.800.3.24.2.2	R/W	Int	
	Last Group Member Query Interval	1.3.6.1.4.1.5875.800.3.24.2.3	R/W	Int	
	Last Group Member Query frequency	1.3.6.1.4.1.5875.800.3.24.2.4	R/W	Int	
	General Query Time Interval	1.3.6.1.4.1.5875.800.3.24.2.5	R/W	Int	
	Group Member Aging Time	1.3.6.1.4.1.5875.800.3.24.2.6	R/W	Int	

Note: This function is only available for the CHT test, and only R is supported.

6.17 Multicast Profile

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Multicast profile	Profile Index	1.3.6.1.4.1.5875.800.3.24.4.1.1	R/W	Int	Index
	profile Name	1.3.6.1.4.1.5875.800.3.24.4.1.2	R/W	String	
	Operation	1.3.6.1.4.1.5875.800.3.24.4.1.20	R/W	Int	4:create 6:delete 7:modify

Note: This function is only available for the CHT test, and only R is supported.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Multicast profile group authority	Multicast Profile Index	1.3.6.1.4.1.5875.800.3.24.4.1.1	R/W	Int	Index
	Multicast Authority Group Index	1.3.6.1.4.1.5875.800.3.24.5.1.1	R/W	Int	Index
	Start IP	1.3.6.1.4.1.5875.800.3.24.5.1.2	R/W	Int	
	End IP	1.3.6.1.4.1.5875.800.3.24.5.1.3	R/W	Int	
	Group Authority	1.3.6.1.4.1.5875.800.3.24.5.1.4	R/W	Int	1: normal 2: preview 3. forbid
	Operation	1.3.6.1.4.1.5875.800.3.24.5.1.20	R/W	Int	4:create 6:delete 7:modify

Note: This function is only available for the CHT test, and only R is supported.

6.18 Multicast Statistics

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Online group statistics	Port Index	1.3.6.1.4.1.5875.800.3.101.5.1.1	R	Int	Index
	Multicast vlan	1.3.6.1.4.1.5875.800.3.24.6.1.1	R	Int	Index

	Multicast Group Number	1.3.6.1.4.1.5875.800.3.24.6.1.2	R	Int	

Note: This function is only available for the CHT test, and only query function is supported. The Igmpvlan being 65535 means querying according to the port.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Online user statistics	Multicast Address	1.3.6.1.4.1.5875.800.3.24.7.1.1	R	IpAddress	Index
	Activated Port Number	1.3.6.1.4.1.5875.800.3.24.7.1.2	R	Int	

Note: This function is only available for the CHT test, and only query function is supported.

6.19 CATV Switch

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Onu catv switch	onuIndex (Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	onuCatvEnable	1.3.6.1.4.1.5875.800.3.27.1.1.1	R/W	Int	0:disable 1:enable

Note: this function is newly added for the GPON3.2.

6.21 Bandwidth Profile and Binding of the ONU PON port (5516: support FTTH/FTTB)

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port bandwidth profile	Profile ID (Index)	1.3.6.1.4.1.5875.800.3.3.5.1.1	R	Int	
	Profile Name	1.3.6.1.4.1.5875.800.3.3.5.1.2	R/W	String	
	Service Uplink Minimum Assured Bandwidth	1.3.6.1.4.1.5875.800.3.3.5.1.3	R/W	Int	5516: Unit: kbps 0-1000000
	Service Uplink Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.3.5.1.4	R/W	Int	Unit: kbps 256-1000000
	Service Downlink Minimum Assured Bandwidth	1.3.6.1.4.1.5875.800.3.3.5.1.5	R/W	Int	Unit: kbps 0-1000000
	Service Downlink Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.3.5.1.6	R/W	Int	Unit: kbps 256-1000000
	Service Uplink Fixed Allocated Bandwidth	1.3.6.1.4.1.5875.800.3.3.5.1.7	R/W	Int	5516: Unit: kbps 0-1000000
	Operation	1.3.6.1.4.1.5875.800.3.3.5.1.12	W	Int	4:create 6:delete
	Get Free Profile ID	1.3.6.1.4.1.5875.800.3.3.10.3	R	Int	Leaf node

You can bind the profile using the profile ID or profile name.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Port bandwidth profile binding	Port Index	1.3.6.1.4.1.5875.800.3.3.6.1.1	R	Int	
	Profile ID	1.3.6.1.4.1.5875.800.3.3.6.1.2	R/W	Int	
	Profile Name Binding	1.3.6.1.4.1.5875.800.3.3.6.1.3	R/W	String	
	Profile Unbinding	1.3.6.1.4.1.5875.800.3.3.6.1.4	R/W	Int	0: unbind

6.22 GPON Service Bandwidth Profile and Binding (support 5516)

Primary profile creation of the GPON service bandwidth profile

Parameter Name	OID	R/W Attribute	Type	Description
Profile ID (Index)	1.3.6.1.4.1.5875.800.3.53.1.1.1	R	Int	
Profile Name	1.3.6.1.4.1.5875.800.3.53.1.1.2	R/W	String	32 bytes
Operation	1.3.6.1.4.1.5875.800.3.53.1.1.8	R/W	Int	4. Set 6: delete
Get Free Profile ID	1.3.6.1.4.1.5875.800.3.53.2	R	Int	Leaf node

Note: The primary profile has only one profile name.

带格式的: 样式2, 缩进: 悬挂缩进: 0.4 英寸, 行距: 多倍行距 1.15 字行, 制表位: 0.3 英寸, 左对齐 + 0.4 英寸, 左对齐

带格式表格

Second profile creation of the GPON service bandwidth profile

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
GPON service bandwidth profile	Profile ID (Index)	1.3.6.1.4.1.5875.800.3.53.1.1.1	R	Int	
	Service Type(Index)	1.3.6.1.4.1.5875.800.3.53.3.1.2	R	Int	1:IPTV 2: data 3: Voice 4:TDM 5： Integrated Service 6： data2 7： data3 8： data4 9 ： COM service 14:Manage service Description： unique, non-repeatable
	Fixed Bandwidth	1.3.6.1.4.1.5875.800.3.53.3.1.3	R/W	Int	Unit：Kbit/s Range： 128~1024000Kbit/s Parameter must be the integral multiples of 8, not divided rounding
	Assured Bandwidth	1.3.6.1.4.1.5875.800.3.53.3.1.4	R/W	Int	Unit：Kbit/s Range： 0 ， 256 ～ 1024000 Kbit/s Parameter must be the integral multiples of 8, not divided rounding
	Maximum Bandwidth	1.3.6.1.4.1.5875.800.3.53.3.1.5	R/W	Int	Unit：Kbit/s Range： 128~1024000Kbit/s Parameter must be the integral multiples of 8, not divided rounding
	Operation	1.3.6.1.4.1.5875.800.3.53.3.1.20	W	Int	4：Set 6: Delete

You can bind the profile using the profile ID or profile name.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
GPON service bandwidth profile binding	ONU Index (Logical Index)	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	Index
	Profile ID	1.3.6.1.4.1.5875.800.3.53.4.1.2	R/W	Int	
	Profile Name Binding	1.3.6.1.4.1.5875.800.3.53.4.1.3	R/W	String	
	Profile Unbinding	1.3.6.1.4.1.5875.800.3.53.4.1.4	R/W	Int	0: unbind

带格式的: 意大利语(意大利)

带格式的: 字体: (默认) Arial

带格式表格

6.26 Query ONU wan service bandwidth profile（support 5516）

Parameter Category	Parameter Name	OID	Type	R/W Attribute	Description
Query ONU wan service bandwidth profile	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	Int	R	Index
	Wan Service Index	1.3.6.1.4.1.5875.800.3.55.1.1.1	Int	R	Index（0-8）
	Upstream Bandwidth Profile ID	1.3.6.1.4.1.5875.800.3.55.1.1.2		R	0-1024
	Downstream Bandwidth Profile ID	1.3.6.1.4.1.5875.800.3.55.1.1.3	Int	R	0-1024
	Upstream Bandwidth Profile Name	1.3.6.1.4.1.5875.800.3.55.1.1.4	String	R	
	Upstream Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.55.1.1.5	Int	R	
	Downstream Bandwidth Profile Name	1.3.6.1.4.1.5875.800.3.55.1.1.6	String	R	
	Downstream Maximum Allowed Bandwidth	1.3.6.1.4.1.5875.800.3.55.1.1.7	Int	R	

7. Voice Service Configuration Function

7.21 Voice Port User Configuration

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Voice port User data	Voice Port Index	1.3.6.1.4.1.5875.800.3.101.4.1.1	R	Int	
	Port Enable	1.3.6.1.4.1.5875.800.20.2.1.1.2	R/W	Int	The 5516: 1: enable 0: disable The 5116: 1: enable 0: disable
	Telephone Number	1.3.6.1.4.1.5875.800.20.2.1.1.3	R/W	String	No more than 8 bytes
	Signaling Service Name	1.3.6.1.4.1.5875.800.20.2.1.1.4	R/W	String	Softswitch platform parameter profile
	Signaling VLAN	1.3.6.1.4.1.5875.800.20.2.1.1.5	R/W	Int	NGPON: Range: 1 to 4085
	Svlan Enable	1.3.6.1.4.1.5875.800.20.2.1.1.6	R/W	Int	5516,NGPON: 1: enable; 2: disable
	Svlan ID	1.3.6.1.4.1.5875.800.20.2.1.1.7	R/W	Int	NGPON: 0 to 4085, 0xffff
	Outer COS	1.3.6.1.4.1.5875.800.20.2.1.1.8	R/W	Int	Not available for the 5116 NGPON/gpon: 0 to 7, 0xff
	Inner COS	1.3.6.1.4.1.5875.800.20.2.1.1.9	R/W	Int	
	Voice Port Advanced Configuration Profile ID	1.3.6.1.4.1.5875.800.20.2.1.1.10	R/W	Int	One profile name in the following can only correspond to one profile ID 0-255
	End Point Name	1.3.6.1.4.1.5875.800.20.2.1.1.11	R/W	String	
	ONU Protocol Port	1.3.6.1.4.1.5875.800.20.2.1.1.12	R/W	Int	1 to 65535
	End Point Username / Sip Telephone Number	1.3.6.1.4.1.5875.800.20.2.1.1.13	R/W	String	

带格式的: 样式2, 行距: 多倍行距 1.15 字行, 制表位: 0.3 英寸, 左对齐 + 0.4 英寸, 左对齐

	Sip Protocol Authentication Username	1.3.6.1.4.1.5875.800.20.2.1.1.14	R/W	String	
	Sip Protocol Authentication Password	1.3.6.1.4.1.5875.800.20.2.1.1.15	R/W	String	
	Voice Port Advanced Configuration Profile Name	1.3.6.1.4.1.5875.800.20.2.1.1.16	R/W	String	One profile name can only correspond to one profile ID above
	Operation	1.3.6.1.4.1.5875.800.20.2.1.1.20	W	Int	7: configure

7.22 Softswitch Platform Parameter Configuration Profile (Signaling VALN)

Note: The commands will be issued on the ONU. This profile is referred to by **Voice port user configuration** and **Heartbeat parameter configuration profile**.

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Softswitch platform parameter configuration profile	Softswitch Platform Parameter Configuration Profile ID	1.3.6.1.4.1.5875.800.20.1.1.1.1	R	Int	
	Signaling Service Name (Profile Name)	1.3.6.1.4.1.5875.800.20.1.1.1.2	R/W	String	
	MGC Protocol Type	1.3.6.1.4.1.5875.800.20.1.1.1.3	R/W	Int	0: MGCP 1: H248 2: SIP
	MGC1 IP or Domain Name Address / Standby Registrar Address	1.3.6.1.4.1.5875.800.20.1.1.1.4	R/W	String	
	MGC1 Port Number / SIP Standby Registrar Port Number	1.3.6.1.4.1.5875.800.20.1.1.1.5	R/W	Int	1024 to 65535
	MGC2 IP or Domain Name Address / Standby Proxy Server Address	1.3.6.1.4.1.5875.800.20.1.1.1.6	R/W	String	
	MGC2 Port Number / SIP Standby Proxy Server Port Number	1.3.6.1.4.1.5875.800.20.1.1.1.7	R/W	Int	1024 to 65535
	MGC3 IP or Domain Name Address	1.3.6.1.4.1.5875.800.20.1.1.1.8	R/W	String	
	MGC3 Port Number	1.3.6.1.4.1.5875.800.20.1.1.1.9	R/W	Int	1024 to 65535
	Master DNS server	1.3.6.1.4.1.5875.800.20.1.1.1.10	R/W	IP ADDRESS	
	Slave DNS server	1.3.6.1.4.1.5875.800.20.1.1.1.11	R/W	IP ADDRESS	
	MGC2 IP or Domain Name Address / Standby Proxy Server Address	1.3.6.1.4.1.5875.800.20.1.1.1.12	R/W	String	
	MGC2 Port Number / SIP Standby Proxy Server Port Number	1.3.6.1.4.1.5875.800.20.1.1.1.13	R/W	Int	1024 to 65535
	MGC3 IP or Domain Name Address	1.3.6.1.4.1.5875.800.20.1.1.1.14	R/W	String	
	MGC3 Port Number	1.3.6.1.4.1.5875.800.20.1.1.1.15	R/W	Int	1024 to 65535
	Master DNS server	1.3.6.1.4.1.5875.800.20.1.1.1.16	R/W	Int	120 to 86400
	Slave DNS server	1.3.6.1.4.1.5875.800.20.1.1.1.17	R/W	Int	0-Disable; 1-Enable initiative; 2-Enable passive;
	Heartbeat Interval (second)	1.3.6.1.4.1.5875.800.20.1.1.1.18	R/W	Int	1 to 43200
	Heartbeat Time-out Time (times)	1.3.6.1.4.1.5875.800.20.1.1.1.19	R/W	Int	1 to 120
	Operation	1.3.6.1.4.1.5875.800.20.1.1.1.25	R/W	Int	4:create

					6:delete 7:modify
	Get Free Profile ID	1.3.6.1.4.1.5875.800.20.1.2	R/W	Int	Leaf node

7.23 Voice Port Advanced Configuration Profile

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Voice port advanced configuration profile	Profile ID	1.3.6.1.4.1.5875.800.20.7.1.1.1	R	Int	
	Profile Name	1.3.6.1.4.1.5875.800.20.7.1.1.2	R/W	String	
	Voice Coding	1.3.6.1.4.1.5875.800.20.7.1.1.3	R/W	Int	0: G.711U 1: G.711A 2: G.723 3: G.729
	Fax Mode	1.3.6.1.4.1.5875.800.20.7.1.1.4	R/W	Int	0:transparent 1: T．38
	Silence Switch	1.3.6.1.4.1.5875.800.20.7.1.1.5	R/W	Int	5116,NGPON 1: enable 2: disable
	Echo Suppression	1.3.6.1.4.1.5875.800.20.7.1.1.6	R/W	Int	1: enable 2: disable
	Input Gain	1.3.6.1.4.1.5875.800.20.7.1.1.7	R/W	Int	-32 to 32
	Output Gain	1.3.6.1.4.1.5875.800.20.7.1.1.8	R/W	Int	-32 to 32
	DTMF Mode	1.3.6.1.4.1.5875.800.20.7.1.1.9	R/W	Int	0: transparent 1:RFC2833
	Fax Mode	1.3.6.1.4.1.5875.800.20.7.1.1.10	R/W	Int	Not available 0: voice channel 1: software fully control 2: auto negotiate
	Silence Switch	1.3.6.1.4.1.5875.800.20.7.1.1.15	R/W	Int	4:create 6:delete 7:modify
	Echo Suppression	1.3.6.1.4.1.5875.800.20.7.2	R/W	Int	

7.24 ONU Voice Basic Configuration

Parameter Category	Parameter Name	OID	R/W	Type	Description
ONU voice basic configuration	ONU Index	1.3.6.1.4.1.5875.800.3.101.2.1.1	R	Int	
	Bind Platform Intercommunication Parameter Profile ID	1.3.6.1.4.1.5875.800.20.3.1.1.2	R/W	Int	Only available for the version 1.41
	IP Configuration Mode	1.3.6.1.4.1.5875.800.20.3.1.1.3	R/W	Int	0:static 1:pppoe 2:dhcp
	ONU Static Public Network IP	1.3.6.1.4.1.5875.800.20.3.1.1.4	R/W	IP ADDRESS	
	ONU Static Public Network IP Mask	1.3.6.1.4.1.5875.800.20.3.1.1.5	R/W	IP ADDRESS	
	ONU Static Public Network IP Gateway	1.3.6.1.4.1.5875.800.20.3.1.1.6	R/W	IP ADDRESS	
	PPPoE Username	1.3.6.1.4.1.5875.800.20.3.1.1.7	R/W	String	
	PPPoE Password	1.3.6.1.4.1.5875.800.20.3.1.1.8	R/W	String	
	DHCP Option60 Enable	1.3.6.1.4.1.5875.800.20.3.1.1.9	R/W	Int	1- Enable; 0- Disable;
	DHCP Option60 Identifier Suffix	1.3.6.1.4.1.5875.800.20.3.1.1.10	R/W	String	
	Bind Platform Intercommunication Parameter Profile Name	1.3.6.1.4.1.5875.800.20.3.1.1.11	R/W	String	This node is used to configure profile for each version of all devices except the 5116

					version 1.41.
	Operation	1.3.6.1.4.1.5875.800.20.3.1.1.20	W	Int	7: configure

7.25 Softswitch Platform Intercommunication Parameter Profile

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Softswitch platform Intercommunication Parameter Profile	Profile ID	1.3.6.1.4.1.5875.800.20.6.1.1.1	R	Int	
	Profile Name	1.3.6.1.4.1.5875.800.20.6.1.1.2	R/W	String	
	Fixed Part of RTP Source Name	1.3.6.1.4.1.5875.800.20.6.1.1.3	R/W	String	
	Starting Value of Variable Part of RTP Source Name	1.3.6.1.4.1.5875.800.20.6.1.1.4	R/W	Int	0 to 65534 (default:4000)
	Ending Value of Variable Part of RTP Source Name	1.3.6.1.4.1.5875.800.20.6.1.1.5	R/W	Int	0 to 65534 (default:9000)
	Step Length of Variable Part of RTP Source Name	1.3.6.1.4.1.5875.800.20.6.1.1.6	R/W	Int	1 to 65534 (default:1)
	Fixed Length of RTP Name	1.3.6.1.4.1.5875.800.20.6.1.1.7	R/W	Int	0- Unfixed 1- 1 (fixed)
	DigitMap timer	1.3.6.1.4.1.5875.800.20.6.1.1.8	R/W	Int	1 to 254
	DigitMap Short timer	1.3.6.1.4.1.5875.800.20.6.1.1.9	R/W	Int	1 to 254
	DigitMap Long timer	1.3.6.1.4.1.5875.800.20.6.1.1.10	R/W	Int	1 to 254
	Fully Match Rule and Report Immediately	1.3.6.1.4.1.5875.800.20.6.1.1.11	R/W	Int	2- report immediately 0- report only if match
	VBD Enable	1.3.6.1.4.1.5875.800.20.6.1.1.12	R/W	Int	1-enable 0- disable
	VBD Tx Packet Interval	1.3.6.1.4.1.5875.800.20.6.1.1.13	R/W	Int	10，20，30，40，50，60
	VBD Rx Packet Interval	1.3.6.1.4.1.5875.800.20.6.1.1.14	R/W	Int	10，20，30，40，50，60
	VBD Coding Type	1.3.6.1.4.1.5875.800.20.6.1.1.15	R/W	Int	0-G.711U, 8-G.711A,, -1 no change
	Operation	1.3.6.1.4.1.5875.800.20.6.1.1.16	W	Int	
	Get Free Profile ID	1.3.6.1.4.1.5875.800.20.6.2	R	Int	

7.26 SIP Digitmap

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
DigitMap	DigitMap	1.3.6.1.4.1.5875.800.20.8.1	R/W	String	Numbering scheme character strings

8. Alarm

8.21 The 5516 Alarm Formats

SN	OID	Content	Data Type / Value	Description
1	1.3.6.1.2.1.1.3	Equipment Operating time	Timeticks	Specified by RFC3418 SNMP-V2MIB
2	1.3.6.1.6.3.1.1.4.1	Alarm / event OID	Object Identifier	Specified by RFC3418 SNMP-V2MIB
3	1.3.6.1.2.1.2.2.1.1	Alarmed object index	Integer	The analyzing rule of **Ifindex** is signed index
4	1.3.6.1.4.1.5875.88.4.13	Alarm / event code	Integer	Event type
5	1.3.6.1.4.1.5875.88.4.6	Alarm / event status	Integer	0: alarm disappear 1: alarm appear

6	1.3.6.1.4.1.5875.88.4.8	OLT card type	Integer	The type of alarmed object and the parent object.
7	1.3.6.1.4.1.5875.88.4.9	OLT card port type	Integer	
8	1.3.6.1.4.1.5875.88.4.11	ONU type	Integer	
9	1.3.6.1.4.1.5875.88.4.12	ONU port type	Integer	
10	1.3.6.1.4.1.5875.88.4.16	Detailed information	Hex-STRING	

8.22 The 5516 Alarm Formats（Thailand CAT Customized version）

SN	OID	Content	Data Type / Value	Description
1	1.3.6.1.2.1.1.3	Equipment Operating time	Timeticks	Specified by RFC3418 SNMP-V2MIB
2	1.3.6.1.6.3.1.1.4.1	Alarm / event OID	Object Identifier	Specified by RFC3418 SNMP-V2MIB
3	1.3.6.1.4.1.5875.88.4.13	Alarm / event code	Integer	Event type
4	1.3.6.1.4.1.5875.88.4.6	Alarm / event status	Integer	0: alarm disappear 1: alarm appear
5	1.3.6.1.4.1.5875.88.4.15	Alarmed object	String	Alarmed object
6	1.3.6.1.4.1.5875.88.4.16	Detailed information	String	

带格式的：无项目符号或编号

~~8.22~~ 8.23 The 5116 Alarm Formats

SN	OID	Content	Data Type	Description
1	1.3.6.1.2.1.1.3	Equipment Operating time	timeticks	
2	1.3.6.1.6.3.1.1.4.1	Alarm / event OID	oid	
3	1.3.6.1.4.1.5875.88.4.13	Alarm / event code	Integer	
4	1.3.6.1.4.1.5875.88.4.6	Alarm / event status	Integer	
5	1.3.6.1.4.1.5875.88.4.2	OLT card slot	Integer	Object position information of each level
6	1.3.6.1.4.1.5875.88.4.3	OLT card port number	Integer	
7	1.3.6.1.4.1.5875.88.4.7	ONU number	Integer	
8	1.3.6.1.4.1.5875.88.4.10	ONU port number	Integer	
9	1.3.6.1.4.1.5875.88.4.8	OLT card type	Integer	Object type of each level
10	1.3.6.1.4.1.5875.88.4.9	OLT card port type	Integer	
11	1.3.6.1.4.1.5875.88.4.11	ONU type	Integer	
12	1.3.6.1.4.1.5875.88.4.12	ONU port type	Integer	
13	1.3.6.1.4.1.5875.88.4.16	Additional information	Hex-STRING	None

~~8.23~~ 8.24 Current Alarm Query

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Current alarm query	Alarm Index	1.3.6.1.4.1.5875.800.3.60.3.1.1	R	Int	Index
	Alarm Code	1.3.6.1.4.1.5875.800.3.60.3.1.2	R	Int	
	Alarm Object Index	1.3.6.1.4.1.5875.800.3.60.3.1.3	R	Int	
	Alarm Status	1.3.6.1.4.1.5875.800.3.60.3.1.4	R	Int	0: alarm disappear 1: alarm appear
	Alarm Status Level	1.3.6.1.4.1.5875.800.3.60.3.1.5	R	Int	
	Alarm Start Time	1.3.6.1.4.1.5875.800.3.60.3.1.6	R	DateAndTime	
	Alarm End Time	1.3.6.1.4.1.5875.800.3.60.3.1.7	R	DateAndTime	
	Alarm Type	1.3.6.1.4.1.5875.800.3.60.3.1.8	R	Int	
	Alarm Additional Information	1.3.6.1.4.1.5875.800.3.60.3.1.9	R	String	

~~8.24~~ 8.25 Alarm History Query

Parameter Category	Parameter Name	OID	R/W Attribute	Type	Description
Alarm history query	Alarm Index	1.3.6.1.4.1.5875.800.3.60.4.1.1	R	Int	Index
	Alarm Code	1.3.6.1.4.1.5875.800.3.60.4.1.2	R	Int	
	Alarm Object Index	1.3.6.1.4.1.5875.800.3.60.4.1.3	R	Int	
	Alarm Status	1.3.6.1.4.1.5875.800.3.60.4.1.4	R	Int	0: alarm disappear 1: alarm appear
	Alarm Status Level	1.3.6.1.4.1.5875.800.3.60.4.1.5	R	Int	
	Alarm Start Time	1.3.6.1.4.1.5875.800.3.60.4.1.6	R	DateAndTime	
	Alarm End Time	1.3.6.1.4.1.5875.800.3.60.4.1.7	R	DateAndTime	
	Alarm Type	1.3.6.1.4.1.5875.800.3.60.4.1.8	R	Int	
	Alarm Additional Information	1.3.6.1.4.1.5875.800.3.60.4.1.9	R	String	

9. Appendix:

Port type:

9.21 Port **type**

5116 **Port type**

1:PON

2:FE

3:GE

4: Gigabit optical port

5:pots port

6: 10-Gigabit optical port

7: Gigabit electrical port

5516 **Port type:**

Code	Port Type
734	GPON PON PORT
727	EPON PON PORT
733	SFP
731	XFP
732	ETH
632	Extern Clock Port
633	Inner Clock Port
712	GPON ONU PON PORT
264	LAN
600	POTS
601	CATV
606	USB
761	COM
626	SSID PORT
814	XGPON1
813	10G GPON PORT
263	EPON ONU PON
808	1GPON PON PORT
807	10GPON PON PORT
809	10GPON LAN PORT
631	TEST PORT
630	OTDR PORT
802	10GEPON PON PORT
636	ROF PORT
637	IFP PORT
817	C AP PORT
815	40GPON OLT WPON
816	40GPON ONU WPON

带格式表格

9.22 Card type code:

The 5116:

1. 260: EC2
2. 259: GUP7
3. 401: GFUP
4. 249: GUPE7
5. 286: AC16

The 5516:

Card type	Type no
EC4B	508
EC8B	514
GC4B	502
GC8B	527
XG2B	526
XG2A	525
GU4E	405
GU4F	406
HU2F	407
HU1F	408
HU1A	415
HU2A	414
GU6F	413
GU6E	410
HU4A	425
XP4A	545
ECOB	552
GCOB	550
XG8A	553
XG8B	557
HSUB	374
GSOF	549
TIMA	551
XP4A	545
XP8A	575
CE1B	605
PUBA	743
HSUC	378
HSWA	355
HSWB	379
HSWD	365
HSUA	360
HSUB	374
C155A	602

Card type	Type no
EC4B	508
EC8B	514
GC4B	502
GC8B	527
XG2B	526
XG2A	525
GU4E	405
GU4F	406
HU2F	407
HU1F	408
HU1A	415
HU2A	414
GU6F	413
GU6E	410

带格式表格

HU4A	425
XP4A	545
ECOB	552
GCOB	550
XG8A	553
XG8B	557
HSUB	374
GSOF	549
TIMA	551
XP4A	545
XP8A	575
CE1B	605
PUBA	743
HSUC	378
HSWA	355
HSWB	379
HSWD	365
HSUA	360
HSUB	374
C155A	602
MROF	577
PPDA	578
CATA	579
CAUA	580
CIO	610
PWR	611

9.23 ONU Type:

GPON：

ONU Category	ONU Code	ONU Type
GPON Old ONU	348	AN5506-04-A
	340	AN5506-04-B
	752	AN5506-07-A2
	345	AN5506-07-B
	341	AN5506-06-E
		AN5506-06A
SFU	684	AN5506-04-GA
	785	AN5506-01-A1
	786	AN5506-01-B1
	767	AN5506-04-A1
	768	AN5506-04-B2
	872	AN5506-02-B
	750	AN5506-04-C1
	765	AN5506-04-F1
	766	AN5506-04-G1

	866	AN5506-04-D
	874	AN5506-06-G
		AN5506-02-A
	878	AN5121-4GP
	879	AN5121-4G
	685	AN5506-04-CA
	857	通用型 GPON SFU
MDU	754	AN5506-07-A1
	755	AN5506-07-B1
	756	AN5506-09-A1
	757	AN5506-09-B1
	758	AN5506-10-A1
	759	AN5506-10-B1
	795	AN5506-09-A1K
	851	AN5506-07-A1K
	852	AN5506-10-A1K
	860	AN5506-06-EG
	877	AN5121-8GR
HGU	762	HG260
	792	HG266
	853	HG261
行业 ONU	788	AN5506-04-P1
	865	AN5506-02-AKW
MDU ONU	32	AN5006-20
	56	AN5006-30
	27	AN5006-15
	886	AN5172-8GR
印尼 GPON FTTDP	875	AN5506-01-VP
CBU	882	AN5161-CGF

EPON:

ONU TYPE	ONU CODE	ONU TYPE
FTTH beoutside CTC	1	AN5006-02
	2	AN5006-02A
	3	AN5006-03
	4	AN5006-04
	5	AN5006-05
	6	AN5006-05A
	34	AN5006-04P1
	37	AN5006-04P2
	60	AN5161-CEF
		AN5006-04P3
	51	AN5006-04P4
	88	Commom EPON SFU
FTTH CTC	15	OTHER1

带格式的: 字体颜色: 自动设置, (中文) 中文(中国)

	16	OTHER2
	17	OTHER3
	18	OTHER4
	100	OTHER6
	101	OTHER7
	21	AN5006-02-A
	19	AN5006-03C
	61	AN5121-4E
	62	AN5121-4EP
	20	AN5006-04C
	22	AN5006-05C
	36	AN5006-01-A
	39	AN5006-01-B
	44	AN5200-04A
	46	AN5006-03-AK
	90	AN5006-04F1
	57	AN5006-04-E
	7	AN5006-06A
	8	AN5006-06B
	10	AN5006-06D
	30	AN5006-06A-A
	11	AN5006-07A
FTTB beoutside CTC	12	AN5006-07B
	23	AN5006-09A
	24	AN5006-09B
	47	AN5006-09-AK
	25	AN5006-10
	31	AN5006-10B
	48	AN5006-07-AK
	49	AN5006-10-AK
	63	AN5121-8ER
	52	AN5200-07A
	53	AN5200-07B
	55	AN5200-09A
	54	AN5200-09B
	42	AN5200-10A
FTTB CTC	43	AN5200-10B
	9	AN5006-06C
	28	AN5006-07C
	33	HG220
HG	45	hg226
	27	AN5006-15
	29	AN5006-16
MDU	32	AN5006-20
	50	AN5006-12
	56	AN5006-30
	60	AN5161-CEF
CBU		

~~1:PON~~
~~2:FE~~
~~3:GE~~
~~4: Gigabit optical port~~
~~5:pots port~~
~~6: 10-Gigabit optical port~~
~~7: Gigabit electrical port~~
~~**Card type code:**~~
~~The 5116:~~
~~1. 260: EC2~~
~~2. 259: GUP7~~
~~3. 401: GFUP~~
~~4. 249: GUPE7~~
~~5. 286: AC16~~

~~The 5516:~~
~~1. 508: EC4B~~
~~2. 514: EC8B~~
~~3. 502: GC4B~~
~~4. 527: GC8B~~
~~5. 743: PUBA~~
~~6. 605: CE1B~~
~~7. 602: C155A~~
~~8. 413: GU6F~~
~~9. 420: GS8F~~
~~10. 414: HU2A~~
~~11. 415: HU1A~~

带格式的: 两端对齐, 缩进: 首行缩进: 0 英寸, 无孤行控制, 取消断字

带格式的: 两端对齐, 缩进: 首行缩进: 0 英寸, 无孤行控制, 取消断字

带格式的: 两端对齐, 无项目符号或编号, 无孤行控制, 取消断字

带格式的: 两端对齐, 无孤行控制, 取消断字

带格式的: 两端对齐, 缩进: 首行缩进: 0 英寸, 无孤行控制, 取消断字

带格式的: 两端对齐, 无项目符号或编号, 无孤行控制, 取消断字