

XGS-ONU-25-20NI

Configuration Guide

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CONFIGURATION GUIDE

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Introduction

This manual provides a quick guide for users to know CLI of XGSPON Stick It is useful for local support test with OLT and doing some trouble shootings.

Overview

This manual is organized as following:

Section 1: Explain how to TELNET

Section 2: Provide the way to change local access settings

Section 3: List the most common commands

Section 4: Explain local software image upgrade and switch

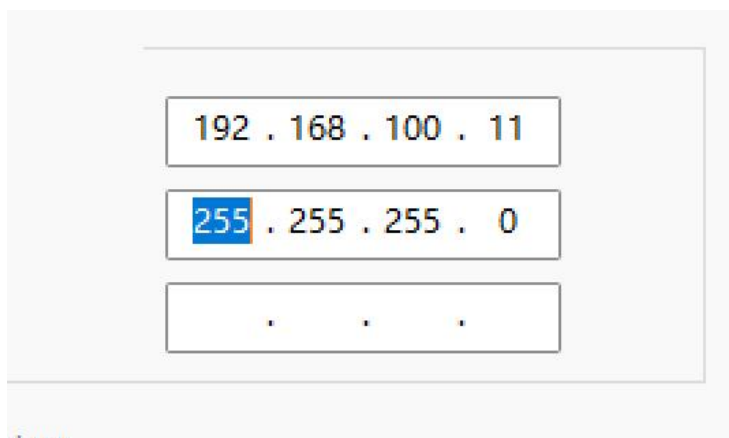
Section 5: Provide the way to OMCI mib command

Section 6: Common service debug information

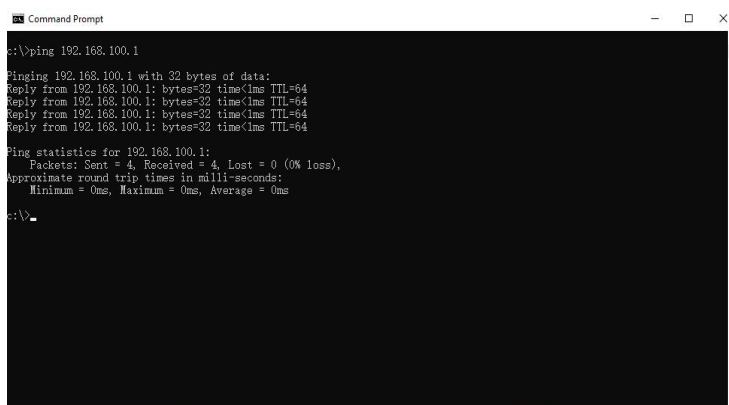
1. How to telnet

PC connection ont port 1 with cable, The manager IP Addr is :192.168.100.1

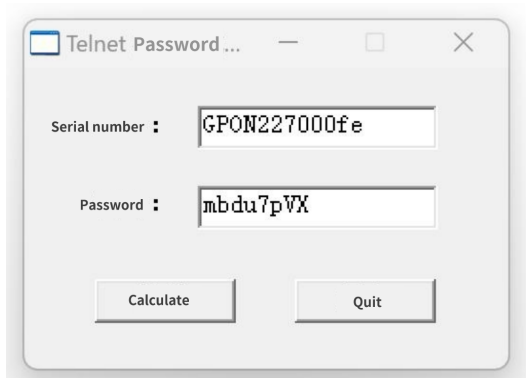
Steps 1 Set local IP address manually on laptop



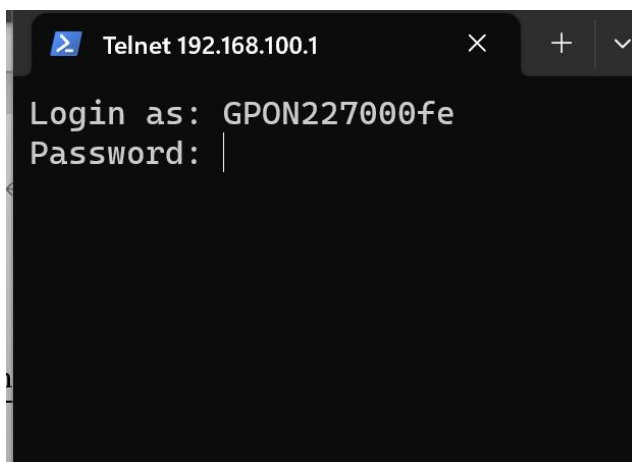
Steps 2 Ping Default Gateway IP 192.168.100.1



Steps 3 Use telnet tool to generate login password.

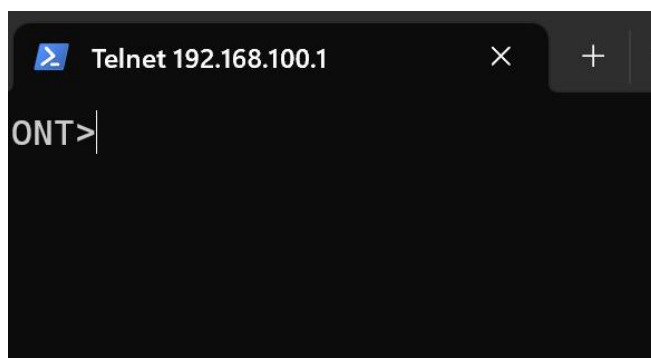


Steps 4 Telnet to ONT, username is “GPON227000fe”



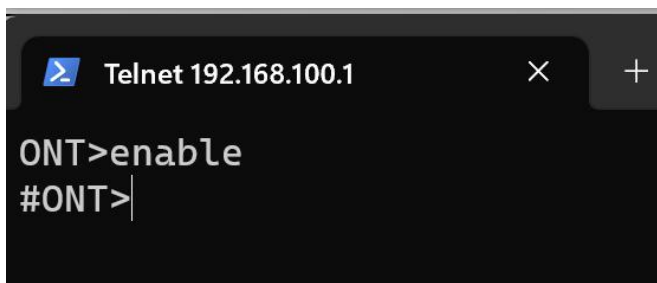
```
Telnet 192.168.100.1
Login as: GPON227000fe
Password: |
```

Steps 5 The password is obtained telnet tool “mbdu7pVX”



```
Telnet 192.168.100.1
ONT>|
```

Steps 6 Input “enable” to enter configure mode



```
Telnet 192.168.100.1
ONT>enable
#ONT>|
```

2. Ont local commands

Here we list the most common commands for testing and troubleshooting.

2.1 Hardware and Software information

2.1.1 Software version

The command to check ont version

[Command]

/system/ontver

Example:

```
#ONT>/system/ontver
OntSwVer : R4.4.20.016
#ONT>
```

2.1.2 local ont series number command

- **Check local ont series number**

The command to read ont series number

[Command]

/system/misc/eqsn get

Example:

```
#ONT/system/misc>eqsn get
eqsn: FTRO20210714
```

- **Set local ont series number**

The command to write ont series number

[Command]

/system/misc/eqsn set //comment: eqsn setting is like"FTRO12345678"
format

Example:

```
#ONT/system/misc> eqsn set "FTRO12345678"
```

2.1.3 Stopreboot command

When ont abnormal, ont reboot all the time, the command can interrupt to reboot

[Command]

```
#ONT/system/misc>stopreboot
```

Example:

```
#ONT/system/misc>stopreboot
Stop reboot command OK
```

2.2 Optics Parameters

2.2.1 Optics monitoring information

To check optics monitor info

[Command]

/system/misc/show trans state

Example:

```
#ONT/system/misc>show trans state
```

```
Power      : 3V3 (3.3)
```

```
Temperature : 45.0 C
```

```
Data Rx Power : -14.3 dBm
```

```
Data Tx Power : 7.9 dBm
```

```
APD Prot    : No
```

```
Data Tx bias : 12.8 mA
```

```
#ONT/system/misc>
```

2.3 PON and Service Connection

2.3.1 Link status

The command to check ont link status

[Command]

/traffic/pon/show link

Example:

```
#ONT/traffic/pon>show link
```

```
----- LINK STATE -----
```

```
Link State:      ACTIVE
```

```
Operation State Machine: OPERATION (O5)
```

```
----- STATE  END ---
```

2.3.2 ONU information

The command to check onu info

[Command]

/traffic/pon/show onu

Example:

```
#ONT/traffic/pon>show onu
```

```
----- ONU INFO -----
```

```
Onu id 256
```

```
sdThreshold: 0
```

```
sfThreshold: 0
```

```

TO1: 80000
TO2: 1
eqd: 617219
Serial Number(vendor code): GPON
Serial Number(sn):      227000fe
Password:               41 42 43 44 45 46 47 48 49 4a
Registration ID:
0x44454641554c540000000000000000000000000000000000000000000000000000
0000000000
----- INFO END -----

```

```
#ONT/traffic/pon>
```

2.3.3 Traffic table

To check the traffic info about DS US gem flow and T-count table

[Command]

```
/traffic/pon/show traffic all
```

Example:

```
#ONT/traffic/pon>show traffic all
```

DS GEM FLOW Table

```

+++++
FlowId GemIndex PortId TcontId DQ Dst EthFlow EthFlow QosMap Pri Def
=====
1      0xf01    1034   1      255
2      0xb02    1035   1      255
3      0x903    1036   1      255
4      0xff7f   65533   1      255
30     0xff7e   65534   1      255

```

US GEM FLOW Table

```

+++++
FlowId GemIndex PortId TcontId UQ AES gemRuleIndex
=====
1      0xf01    1034   1      7 1 15
2      0xb02    1035   1      3 1 16
3      0x903    1036   1      1 1 17

```

TCONT Table

```

+++++
Tcont number alloc ID traffic mgmt State Flow Id
=====
1          1025     0          1

```

```
#ONT/traffic/pon>
```


2.3.4 Service Connection

The check service connection info about bridge port

[Command]

/traffic/omci/show connection all

Example:

#ONT/traffic/omci>show connection all

----- Connection ID = 0 -----

Completed = 1, Bridge Id = 0x0a01, valid = 1

Total Port Num = 3

Wan Port Num = 2

Unicast Port Num = 0

Multicast Port Num = 0

Broadcast Port Num = 1

802.1p Port Num = 1

Lan Port Num = 1

Ipport Port Num = 0

Eth Port Num = 1

EthFlow Port Num = 0

VirUni Port Num = 0

Bridge Port Id = 0xa10b, type = BRCT, TP Ptr = 0xffffd

Pon Info:

IwTp	GemPort	DsQ	UsQ	Mc	Dir	DFlow	CPUQ	UFlow	Type	Tcont
0xffffd	0xffffd	0x0000	0x0000	00	002	00000	0000	00000	ETH	

Bridge Port Id = 0xa102, type = 802.1p, TP Ptr = 0xa102

802.1P Info:

IwTp	GemPort	DsQ	UsQ	Mc	Dir	DFlow	CPUQ	UFlow	Type	Tcont
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403
0x0402	0x0402	0x0000	0x8000	00	003	00001	0000	00001	ETH	0x0403

Bridge Port Id = 0x0a01, type = ETH, TP Ptr = 0x0a01, PortMode = BRIDGE

----- END [0] -----

#ONT/traffic/omci>

Service Connection(Debug Mode)

This command show the configuration of EMR from MEC
[Command]

/traffic/omci/debug/showemrcfg [Connection ID]

Example:

#ONT/traffic/omci/debug> showemrcfg 0

Connection ID = 0

UNI Configuration:

< SLOT = 1, PORT = 1, TYPE = 1 >

** Vlan Op:

US MODE: ASIS

OLD (NO_VID, ALL_PRI) -> NEW (NO_VID, ALL_PRI)

DS MODE: ASIS

OLD (NO_VID, ALL_PRI) -> NEW (NO_VID, ALL_PRI)

US MODE: ASIS

OLD (ALL_VID, ALL_PRI) -> NEW (ALL_VID, ALL_PRI)

DS MODE: ASIS

OLD (ALL_VID, ALL_PRI) -> NEW (ALL_VID, ALL_PRI)

** Vlan Filter:

Mode : Forward all

Number [2]: (ALL_VID, ALL_PRI) (NO_VID, ALL_PRI)

** MC Cfg : usFlow 65535

US Mode : Unknown

US TCI : 0x0

DS MC Mode : ASIS

DS MC TCI : 0x0

DS IGMP Mode : Unknown

DS IGMP TCI : 0x0

WAN Configuration:

< Ds Flow Id = 2, Us Flow Id = 65535, Serv Type = ETH | >

** Vlan Op:

US MODE: Replace VID with the old PRI

OLD (0x2BE, ALL_PRI) -> NEW (0x2BE, ALL_PRI)

DS MODE: Replace VID with the old PRI

OLD (0x2BE, ALL_PRI) -> NEW (0x2BE, ALL_PRI)

** Vlan Filter:

Mode : Forward all

Number [2]: (ALL_VID, ALL_PRI) (NO_VID, ALL_PRI)

```

-----
< Ds Flow Id = 1, Us Flow Id = 1, Serv Type = ETH | >
** Vlan Op:
    US MODE: Replace VID with the old PRI
              OLD (0x2BE, ALL_PRI) -> NEW (0x2BE, ALL_PRI)
    DS MODE: Replace VID with the old PRI
              OLD (0x2BE, ALL_PRI) -> NEW (0x2BE, ALL_PRI)

** Vlan Filter:
    Mode      : Forward all
    Number [3]: (0x2BE, ALL_PRI) (NO_VID, ALL_PRI) (0x0, ALL_PRI)

```

2.3.5 Performance counters

2.3.5.1 Gem port counter

The information of RX/TX packets in GemPort
[Command]

```
/traffic/pon/show pm gem all
```

Example:

```
#ONT/traffic/pon>show pm gem all
```

```
-----port 1034 flow 0001-----
```

```

RX GEM frames      :      611
RX GEM bytes       :    243164
Tx GEM frames      :      638
Tx GEM bytes       :    225814

```

```
-----port 1035 flow 0002-----
```

```

RX GEM frames      :         0
RX GEM bytes       :         0
Tx GEM frames      :         8
Tx GEM bytes       :      590

```

```
-----port 1036 flow 0003-----
```

```

RX GEM frames      :         3
RX GEM bytes       :      216
Tx GEM frames      :        54
Tx GEM bytes       :     3804

```

```
-----port 65533 flow 0004-----
```

```

RX GEM frames      :      751
RX GEM bytes       :    112106
Tx GEM frames      :         0
Tx GEM bytes       :         0

```

```
-----port 65534 flow 0030-----
RX GEM frames      :      153448
RX GEM bytes       :      196619932
Tx GEM frames      :          0
Tx GEM bytes       :          0
#ONT/traffic/pon>
```

2.4 Ethernet service

2.4.1 UNI port information

To check Ethernet port physical link

[Command]

```
#ONT/traffic/eth>show pack
```

```
build time Dec 26 2022: 06:45:47
```

```
----- Line Pack -- PWR 0X0    --
Line Slot 10, NumOfPorts 1, type 49, subtype 75, state 2
----- Configuration -----
port | enable | loop | Mode | RL Type | RL Us Rate | RL Ds Rate |
1    Yes  No   Auto   0       0         0
```

```
----- Status -----
1) link state: Up, link mode: 1G Full
```

```
----- Bridge Pack -----
Type:    75
State:   2
MAC Table: 0
MAC Aging: 0
MTU:     0
```

```
----- Chip Data -----
eth Fd:    6
port Mask: 0x0018
type      28
```

```
***** DEBUG INFO *****
```

```
    EmrLogId : 5
    EmrAdminEn : 0
    EmrbeInited : 1
    EmrDumpConn : 0
    EmrPwrShedEn : 0x0
    EmrConnItemNum : 2
    EmrUsDsReverseEn : 1
    EmrConnAllVidCheck : 0
```

```

EmrMcastGemVlanOpEn : 1
gEmrSaveConnItemEn : 1
gEmrMcastCrossVlanEn : 1
EmrUniExtractPriMatch : 1
EMR_DRV_PACK_DUMP_ITEM_EN : 0
*****
#ONT/traffic/eth>
#ONT/traffic/eth>

```

2.4.2 IGMP information

• IGMP Domain

To check which groups have been joined at each UNI:

[Command]

/traffic/eth/show igmp domain

Example:

#ONT/traffic/eth>show igmp domain

pDomain Id 0 auto:0 vid 0x000 pri:0 Op:unknown cfgver IGMP_V3

Stb Query v2Exist Querier Snoop Fast Host Port Proxy

Ver Ver Present EN LEAVE Track Mask Mode

Unknown	Unknown	0	0x00000000	1	1	1	0000003f	DISABLE
---------	---------	---	------------	---	---	---	----------	---------

wanIp	wanMac	lanIp	lanMac
-------	--------	-------	--------

0x00000000	0x0000000000000000	0x00000000	0x0000000000000000
------------	--------------------	------------	--------------------

QRV	QQIC(ms)	LMQI(ms)	MaxResp(ms)
-----	----------	----------	-------------

v2DefCfg 2	125000	1000	10000
------------	--------	------	-------

v2RunCfg 0	0	0	0
------------	---	---	---

v3DefCfg 2	125000	1000	10000
------------	--------	------	-------

v3RunCfg 0	0	0	0
------------	---	---	---

v3GSCfg 0	0	0	0
-----------	---	---	---

pDomain Id 1193 auto:0 vid 0x4a9 pri:0 Op:add & repri cfgver IGMP_V3

Stb Query v2Exist Querier Snoop Fast Host Port Proxy

Ver Ver Present EN LEAVE Track Mask Mode

IGMP_V2	IGMP_V3	33	0x0101a8c0	1	1	1	0000003f	PROXY_RG
---------	---------	----	------------	---	---	---	----------	----------

wanIp	wanMac	lanIp	lanMac
-------	--------	-------	--------

0x6f6f6f82	0x102012301032	0xc0a80101	0x102012301014
------------	----------------	------------	----------------

mldWanIp: 000.000.000.000

mldQuerierIp: 000.000.000.000

```

QVR    QQIC(ms) LMQL(ms) MaxResp(ms)
v2DefCfg 2    125000 1000 10000
v2RunCfg 0    0      0    0

```

```

v3DefCfg 2    125000 1000 10000
v3RunCfg 2    125000 0    10000
v3GSCfg 0     0      0    0

```

```

index Group(all 11 ) | portmask | age (sec)
[000] ff02:0000:0000:0000:0000:0000:000c 0x0000000b IP
0x0000000b 238
[001] ff02:0000:0000:0000:0000:0001:ffc5:c826 0x00000002 IP
0x00000002 104
[002] ff02:0000:0000:0000:0000:0001:ffce:4bfd 0x00000002 IP
0x00000002 33
[003] ff02:0000:0000:0000:0000:0001:ff56:b804 0x00000008 IP
0x00000008 236
[004] 224.000.000.252 0x00000008 IP 0x00000008 237
[005] 239.255.255.250 0x0000000b IP 0x0000000b 237
[006] ff02:0000:0000:0000:0000:0000:0000:00fb 0x0000000b IP
0x0000000b 237
[007] 239.002.001.001 0x00000008 IP 0x00000008 241
[008] ff02:0000:0000:0000:0000:0001:ff5b:63fe 0x00000001 IP
0x00000001 239
[009] ff02:0000:0000:0000:0000:0000:0001:0003 0x00000008 IP
0x00000008 236
[010] 224.000.000.251 0x0000000b IP 0x0000000b 241

```

• IGMP statistic

To check RX/TX IGMP packet

[Command]

```
#ONT/traffic/eth>show igmp pm
```

```
===== IGMP Domain( 0) Counters =====
```

```
===== IGMP Domain(1193) Counters =====
```

```
+++++++ wan port counters ++++++
```

```
Rx v3GeneralQuery      : 10
```

```
Tx v3GeneralQuery      : 10
```

```
Tx MLDv2GeneralQuery    : 10
```

```
+++++
```

```
LanPortId    0 | 1 | 2 | 3
```

```
-----
```

RxMLDV1Join	0	1	0	0
TxMLDV1Join	0	2	0	0
TxMLDV1done	0	1	0	0
RxMLDV2Join	29	17	0	37
TxMLDV2Join	3	0	0	2
RxMLDV2done	0	4	0	0
TxMLDV2done	0	1	0	0
TxV2Join	1	1	0	6
RxV3Join	18	14	0	34
TxV3Join	6	0	0	5
RxV3Leave	0	4	0	0
GroupErr	0	2	0	0

#ONT/traffic/eth>show IGMP uni

To check IGMP all UNI configuration

[Command]

/traffic/eth/show igmp uni

Example:

#ONT/traffic/eth>show igmp uni

===== Domain 0 Port config =====

lport 0 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 1 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 2 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 3 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 4 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 5 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

===== Domain 1193 Port config =====

lport 0 | maxGroup 128 | curGroup 5 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 1 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

lport 2 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0

```
lport 3 | maxGroup 128 | curGroup 8 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0
```

```
lport 4 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0
```

```
lport 5 | maxGroup 128 | curGroup 0 | aclNum 0
| maxBw 0 | exceedDeny 0 | curBw 0
```

```
#ONT/traffic/eth>
```

2.4.3 Performance counter

• Gem counter

The show gem port PM data

[Command]

/traffic/omci/show pm gem

Example:

```
#ONT/traffic/omci>show pm gem
```

```
-----gem port cfg-----
```

```
enable : 0
```

```
gem port id : 0xfffe
```

```
pm data me id: 0xfffe
```

```
Index: 0
```

```
lost packets : 0x00000000
```

```
misinsert packets: 0x00000000
```

```
rx packets : 0x00000000
```

```
rx blocks : 0x00000000
```

```
tx blocks : 0x00000000
```

```
impaired blocks : 0x00000000
```

```
tx packets : 0x00000000
```

```
enable : 0
```

```
gem port id : 0x40a
```

```
pm data me id: 0x40a
```

```
Index: 1
```

```
lost packets : 0x00000000
```

```
misinsert packets: 0x00000000
```

```
rx packets : 0x00000000
```

```
rx blocks : 0x00000000
```

```
tx blocks : 0x00000000
```



```
impaired blocks : 0x00000000
tx packets      : 0x00000000
-----
-----
```

```
enable          : 0
gem port id     : 0x40b
pm data me id: 0x40b
-----
```

```
Index:          2
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets      : 0x00000000
rx blocks       : 0x00000000
tx blocks       : 0x00000000
impaired blocks : 0x00000000
tx packets      : 0x00000000
-----
-----
```

```
enable          : 0
gem port id     : 0x40c
pm data me id: 0x40c
-----
```

```
Index:          3
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets      : 0x00000000
rx blocks       : 0x00000000
tx blocks       : 0x00000000
impaired blocks : 0x00000000
tx packets      : 0x00000000
-----
-----
```

```
enable          : 0
gem port id     : 0xfffd
pm data me id: 0xfffd
-----
```

```
Index:          4
lost packets    : 0x00000000
misinsert packets: 0x00000000
rx packets      : 0x00000000
rx blocks       : 0x00000000
tx blocks       : 0x00000000
impaired blocks : 0x00000000
tx packets      : 0x00000000
-----
```

ALU pm data me id: 0xffff

```
-----
lost DS packets : 0x00000000
lost US packets : 0x00000000
rx packets      : 0x00000000
rx blocks       : 0x00000000
tx blocks       : 0x00000000
impaired blocks : 0x00000000
tx packets      : 0x00000000
rx bad headers  : 0x00000000
-----
```

ALU47 pm data me id: 0xffff

```
-----
lost DS packets : 0x00000000
lost US packets : 0x00000000
rx packets      : 0x00000000
rx blocks       : 0x00000000
tx blocks       : 0x00000000
impaired blocks : 0x00000000
tx packets      : 0x008x
rx bad headers  : 0x00000000
-----
```

Arris pm data me id: 0xffff

```
-----
lost packets    : 0x00000000
rx packets      : 0x0000000000000000
rx blocks       : 0x0000000000000000
tx blocks       : 0x0000000000000000
impaired blocks : 0x00000000
tx packets      : 0x0000000000000000
-----
```

GAL TDM pm data me id: 0xffff

```
-----
GemFrmLoss      : 0x00000000
BufUnderflows   : 0x00000000
BufOverflows    : 0x00000000
-----
```

```
-----gem port cfg end-----
#ONT/traffic/omci>
```

• Eth counter

The show eth PM data

[Command]

/traffic/omci/show pm uni 10 1

Example:

#ONT/traffic/eth>show pm uni 10 1

UNI slot 10 port 1 PM

====Counters for phyport[4]=====

```
iflInOctets      :      48139
iflInUcastPkts   :        608
iflInMulticastPkts :        46
iflOutOctets      :      37430
iflOutUcastPkts   :        373
TxPkts64Octets    :        211
TxPkts65to127Octets :      149
TxPkts128to255Octets :         2
TxPkts256to511Octets :         2
TxPkts512to1023Octets :         2
TxPkts1024to1518Octet :         7
RxPkts64Octets    :        600
RxPkts65to127Octets :        16
RxPkts128to255Octets :        38
#ONT/traffic/eth>
```

2.5 System Log

2.5.1 PON manager

To check PON implementation

[Command]

/system/log/show pmr

Example:

#ONT/system/log>show pmr

Log: pmr

tick upTime1 file line level message

```
c7f3c315 20 pmr_main_gpon.c 114 4 PMR_Init OK
c7f3c6e1 21 pmr_handler_gpo 423 4 rcv VOS_TIME_OUT
c7f3c6e2 21 pmr_handler_gpo 454 4 rcv
MEC_MSG_PACK_MGR_READY_ACK
c7f3c6e2 21 pmr_handler_gpo 457 4 kill Init timer [1], ret=[0]
c7f3d3c4 25 pmr_handler_gpo 555 4 rcv MEC_MSG_CFG_PACK_TYPE,
result = 0, hwType[62] MappingMode 1
c7f3d3c4 25 pmr_data_cortin 296 4 Open evt Fd[10], cnt[0]
c7f3e045 28 pmr_data_cortin 90 4 DBACfged 0
c7f3e045 28 pmr_handler_gpo 391 4 rcv PON_MSG_CFG_DBA_ENABLE,
result = 0
c7f3e051 28 pmr_handler_gpo 632 4 rcv PON_MSG_CFG_SDSF, result =
0
c7f3e0f3 28 pmr_data_cortin 163 4 report state transtion: Unknown -->
Init
c7f3e0f3 28 pmr_pack_cortin 293 1 Pon drv active ok
```

```

c7f3e0f4    28 pmr_handler_gpo 589    4 rcv MEC_MSG_ACTIVATE_PACK,
result = 0
c7f3e6c7    29 pmr_event_corti 303    4 state transtion: 1 --> 3 event[assign
onu_id message]
c7f3e6c7    29 pmr_data_cortin 163    4 report state transtion: Init -->
Preparing
c7f3e6f5    2a pmr_handler_gpo 1000    4 rcv PON_MSG_LINK_ACTIVE, result
= 0
c7f3e773    2a pmr_handler_gpo 495    4 Re-configure Pack slot = 128,
actualType = 62
c7f3e7ec    2a pmr_data_cortin 90    4 DBACfged 0
c7f3e7ec    2a pmr_handler_gpo 391    4 rcv PON_MSG_CFG_DBA_ENABLE,
result = 0
c7f3e7f8    2a pmr_handler_gpo 632    4 rcv PON_MSG_CFG_SDSF, result = 0
c7f3e8af    2a pmr_handler_gpo 567    4 Re-act Pack slot = 128
c7f3e950    2a pmr_handler_gpo 1000    4 rcv PON_MSG_LINK_ACTIVE, result
= 0
c7f42982    3b pmr_event_corti 224    4 default AllocId MSG: allocId = 0x0,
status = 0
c7f42986    3b pmr_event_corti 303    4 state transtion: 3 --> 4 event[assign
onu_id message]
c7f42ae9    3b pmr_event_corti 303    4 state transtion: 4 --> 5 event[ranging
time message]
c7f42ca4    3b pmr_data_cortin 163    4 report state transtion: Preparing -->
Ready
c7f42ca5    3b pmr_event_corti 351    1 recv omci, force report state change
oldState 3
c7f42e64    3c pmr_handler_gpo 956    4 rcv MEC_MSG_PON_LINK_UP,
result = 0
c7f42f9d    3c pmr_handler_gpo 936    4 rcv MEC_MSG_CFG_RESET, result =
0
c7f43452    3d pmr_event_corti 151    4 report assign Alloc-ID = 1025, Status
= ALLOCATE
c8008c5c    3d pmr_handler_gpo 632    4 rcv PON_MSG_CFG_SDSF, result =
0
c8008c73    3d pmr_handler_gpo 632    4 rcv PON_MSG_CFG_SDSF, result =
0
c8008cf9    3e pmr_handler_gpo 796    4 rcv PON_MSG_CFG_TCONT, allocId
= 65535 type =
1025 mgmt = 0 enable = 0 result = 1
c8008d12    3e pmr_handler_gpo 796    4 rcv PON_MSG_CFG_TCONT, allocId
= 1025 type = 1 mgmt = 2 enable = 1 result = 0
c8008d7d    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Rem, tcontQ = 7, flow = 1,gemport = 1034 result = 2
c8008d88    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Add, tcontQ = 7, flow = 1,gemport = 1034 result = 0

```

```

c8008d91    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Rem, result = 1
c8008dcd    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Add, result = 0
c8008dce    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Rem, tcontQ = 3, flow = 2,gemport = 1035 result = 2
c8008dd8    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Add, tcontQ = 3, flow = 2,gemport = 1035 result = 0
c8008de2    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Rem, result = 1
c8008e1d    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Add, result = 0
c8008e1f    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Rem, tcontQ = 1, flow = 3,gemport = 1036 result = 2
c8008e29    3e pmr_handler_gpo 689    4 rcv PON_MSG_CFG_US_FLOW act
Add, tcontQ = 1, flow = 3,gemport = 1036 result = 0
c8008e33    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Rem, result = 1
c8008e6e    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Add, result = 0
c8008f1a    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Rem, result = 1
c8008f33    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Add, result = 0
c8009032    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Rem, result = 1
c800904b    3e pmr_handler_gpo 663    4 rcv PON_MSG_CFG_DS_FLOW act
Add, result = 0
c80091d4    3f pmr_handler_gpo 796    4 rcv PON_MSG_CFG_TCONT, allocId
= 1025 type = 1 mgmt = 2 enable = 1 result = 18
#ONT/system/log>

```

2.5.2 PON manager driver

To check PN manager driver

[Command]

/system/log/show pmr_drv

Example:

```
#ONT/system/log>show pmr_drv
```

Log: pmr_drv

```

      tick upTime1      file line level message
c7f3d2e1    24 pmr_pack_cortin 244
c7f3d3a9    25 pmr_pack_cortin 253    4 pon device is opened. fd[9], cnt[0]
c7f3d3c2    25 pmr_pack_cortin 287    4 GPON driver init OK, pti[0xaa]

```

```

c7f3d3c4    25 pmr_pack_cortin 396    4 serial number: 46 54 52 30 20 21
07 14
c7f3d3c4    25 pmr_pack_cortin 421    4 password: 00 00 00 00 00 00 00 00
00 00
c7f3e051    28 pmr_pack_cortin 441    1 Succeed to SD threshold 9
c7f3e051    28 pmr_pack_cortin 462    1 Succeed to SF threshold 5
c7f3e6c4    29 pmr_pack_cortin 235    4 Disable Tx Laser Power Supply
when SN-Disable

```

2.5.3 Misc manager

To check misc implementation

[Command]

/system/log/show mmr

Example:

#ONT/system/log>show mmr

Log: mmr

```

      tick upTime1      file line level message
c800ac5b    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent: event(800)
c800ac5b    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(100000000000000080)
c800ac5c    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(100000000000000100)
c800ac5c    46  mmr_led_cfg.c 737    4 mmr_LedCfgSetState: type(phone)
state(goff) c800ac5d    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(4000000000000000)
c800ac5d    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(100000000000000100)
c800ac5d    46  mmr_led_cfg.c 737    4 mmr_LedCfgSetState: type(phone)
state(goff)
c800ac5e    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(100000000000000100)
c800ac5e    46  mmr_led_cfg.c 737    4 mmr_LedCfgSetState: type(phone)
state(goff)
c800ac5e    46  mmr_led_cfg.c 1121    4 mmr_LedHandleEvent:
event(100000000000000100)

```

2.5.4 Ethernet manager

To check Ethernet implementation

[Command]

/system/log/show emr

Example:

#ONT/system/log>show emr

Log: emr

```

tick upTime1      file line level message
c8009325  3f      emr_main.c 7847  4 Send ACK message to 0x90009,
result -1, send 0
c800932c  3f      emr_main.c 7764  4 EMR_MSG_CFG_UNI_PKT_LIMIT
c800932c  3f      emr_main.c 7288  4 Config SLOT 14 PORT 1,
uniPktLimit.dhcp 10, uniPktLimit.igmp 16, uniPktLimit.arp 10

c800932c  3f      emr_main.c 7847  4 Send ACK message to 0x9000b, result
3, send 0
c800ab3a  45      emr_main.c 7770  4 EMR_MSG_CFG_L3_UNI_IGS
c800ab3a  45      emr_main.c 6426  1 mldQuerierIp error:
c800ab3a  45      emr_main.c 6433  1 mldQuerierIp error:
c800ab49  45      emr_igs.c 873   4 lport1 action1 vlan1193 ver3,
hostTrack1, funcMode3 imLeave3 wip6f6f6f9a queryc0a80101
c800ab49  45      emr_igs.c 878   4 cfg igmp : robust 2, qryInt 125,
qryResInt 100, maxMC 128, lastMem 10 ret 0
c800ab49  45      emr_igs.c 309   4 lport 1 action 1 vlan 1193 maxGroup
128 maxBw 0 exceedDeny 0 rangCnt 0 multicastcnt 0

c800ab58  45      emr_pack_cortin 2721  4 Config RG Igmp Snooping
paramter. ret 0
c800ab59  45      emr_pack_cortin 2704  4 Configure RG lport 1 U/S flow for
IGMP wan 3 wanService 0x4 service 1 op 1 newOuterTci 0x4a9/0x0
c800ab59  45      emr_main.c 7847  4 Send ACK message to 0x9002f,
result 0, send 0
c800ab6c  45      emr_main.c 7770  4 EMR_MSG_CFG_L3_UNI_IGS
c800ab6c  45      emr_main.c 6426  1 mldQuerierIp error:
c800ab6c  45      emr_main.c 6433  1 mldQuerierIp error:
c800ab7a  45      emr_igs.c 873   4 lport2 action1 vlan1193 ver3,
hostTrack1, funcMode3 imLeave3
wip6f6f6f9a queryc0a80101
c800ab7a  45      emr_igs.c 878   4 cfg igmp : robust 2, qryInt 125,
qryResInt 100, maxMC 128, lastMem 10 ret 1
c800ab7a  45      emr_igs.c 309   4 lport 2 action 1 vlan 1193 maxGroup
128 maxBw 0 exceedDeny 0 rangCnt 0 multicastcnt 0

```

2.5.5 Downstream ploam

To check downstream ploam implementation

[Command]

/system/log/show ds_ploam

Example:

#ONT/system/log>show ds_ploam

Log: ds_ploam

```

tick upTime1      file line level message
c7f42982  3b      pmr_event_corti 255  1 gPmrOntDefTcont = 0x0

```

```

c7f42982 3b pmr_event_corti 417 4 ONU-ID=0x3ff, Type=Assign ONU-
ID[0x03]:
c7f42982 3b pmr_event_corti 422 4 00 00 46 54 52 30 20 21 07 14
01 00
c7f42982 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42982 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42ae5 3b pmr_event_corti 417 4 ONU-ID=0x00, Type=Ranging
Time[0x04]:
c7f42ae5 3b pmr_event_corti 422 4 03 00 09 70 31 00 00 00 00 00
00 00
c7f42ae5 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42ae5 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 417 4 ONU-ID=0x00, Type=Key
Control[0x0d]:
c7f42b54 3b pmr_event_corti 422 4 00 00 01 10 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 417 4 ONU-ID=0x00, Type=Key
Control[0x0d]:
c7f42b54 3b pmr_event_corti 422 4 00 00 01 10 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 417 4 ONU-ID=0x00, Type=Key
Control[0x0d]:
c7f42b54 3b pmr_event_corti 422 4 00 01 01 10 00 00 00 00 00 00
00 00
c7f42b54 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f42b55 3b pmr_event_corti 422 4 00 00 00 00 00 00 00 00 00 00
00 00
c7f43451 3d pmr_event_corti 271 1 AllocId MSG: allocId = 0x401, status
= 0
c7f43452 3d pmr_event_corti 417 4 ONU-ID=0x00, Type=Assign Alloc-
ID[0x0a]:

```



```

c7f43452  3d  pmr_event_corti 422  4      04 01 01 00 00 00 00 00 00 00
00 00
c7f43452  3d  pmr_event_corti 422  4      00 00 00 00 00 00 00 00 00 00
00 00
c7f43452  3d  pmr_event_corti 422  4      00 00 00 00 00 00 00 00 00 00
00 00

```

2.5.6 OMCI log

To check the OMCI message between OLT and ONT.

[Command]

/system/log/show omci

Example:

#ONT/system/log>show omci

Log: omci

```

      tick upTime1      file line level message
c7f433b6  3d  omci_msg.c 178  4 01 15 80 6f ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433b6  3d  omci_msg.c 184  4 06 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433b6  3d  omci_msg.c 187  4 zero: 0x0, len: 0x28 crc: 0xdddd2b809
c7f433b7  3d  omci_main.c 107  4 Receive OMCI message
c7f433b7  3d  omci_msg.c 172  4 tick: 0x11ea06ab PRI: 0, TI: 0x1358,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433b8  3d  omci_msg.c 178  4 00 ee 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433b8  3d  omci_msg.c 184  4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433b8  3d  omci_msg.c 187  4 zero: 0x0, len: 0x28 crc: 0x9ef9315
c7f433b8  3d  omci_msg.c 551  4 Send out OMCI msg
c7f433b8  3d  omci_msg.c 172  4 tick: 0x11ea0828 PRI: 0, TI: 0x1358,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433b8  3d  omci_msg.c 178  4 01 15 80 70 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433b8  3d  omci_msg.c 184  4 07 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433b8  3d  omci_msg.c 187  4 zero: 0x0, len: 0x28 crc: 0xf4238696
c7f433b9  3d  omci_main.c 107  4 Receive OMCI message
c7f433b9  3d  omci_msg.c 172  4 tick: 0x11ea0e7b PRI: 0, TI: 0x1359,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433ba  3d  omci_msg.c 178  4 00 ef 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433ba  3d  omci_msg.c 184  4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433ba  3d  omci_msg.c 187  4 zero: 0x0, len: 0x28 crc: 0x46edb4cc

```

```

c7f433ba 3d omci_msg.c 551 4 Send out OMCI msg
c7f433ba 3d omci_msg.c 172 4 tick: 0x11ea0ff6 PRI: 0, TI: 0x1359,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433ba 3d omci_msg.c 178 4 01 15 80 71 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433ba 3d omci_msg.c 184 4 08 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433ba 3d omci_msg.c 187 4 zero: 0x0, len: 0x28 crc: 0xfb8c0e9e
c7f433bb 3d omci_main.c 107 4 Receive OMCI message
c7f433bb 3d omci_msg.c 172 4 tick: 0x11ea1620 PRI: 0, TI: 0x135a,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433bb 3d omci_msg.c 178 4 00 f0 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433bc 3d omci_msg.c 184 4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433bc 3d omci_msg.c 187 4 zero: 0x0, len: 0x28 crc: 0x4d64b34b
c7f433bc 3d omci_msg.c 551 4 Send out OMCI msg
c7f433bc 3d omci_msg.c 172 4 tick: 0x11ea179a PRI: 0, TI: 0x135a,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433bc 3d omci_msg.c 178 4 01 15 80 72 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433bc 3d omci_msg.c 184 4 09 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433bc 3d omci_msg.c 187 4 zero: 0x0, len: 0x28 crc: 0xb7263d35
c7f433bd 3d omci_main.c 107 4 Receive OMCI message
c7f433bd 3d omci_msg.c 172 4 tick: 0x11ea1e0e PRI: 0, TI: 0x135b,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433be 3d omci_msg.c 178 4 00 f1 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433be 3d omci_msg.c 184 4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00
c7f433be 3d omci_msg.c 187 4 zero: 0x0, len: 0x28 crc: 0x96512982
c7f433be 3d omci_msg.c 551 4 Send out OMCI msg
c7f433be 3d omci_msg.c 172 4 tick: 0x11ea1f8b PRI: 0, TI: 0x135b,
DID: 10, DB: 0, AR: 0, AK: 1, MT: 14, Class: 2, inst: 0x0
c7f433be 3d omci_msg.c 178 4 01 15 80 73 ff f0 00 0c cc 02 ee 00 00
00 00 80
c7f433be 3d omci_msg.c 184 4 0a 00 07 00 00 01 00 00 00 00 00 00
00 00 00 00
c7f433be 3d omci_msg.c 187 4 zero: 0x0, len: 0x28 crc: 0xd5864143
c7f433bf 3d omci_main.c 107 4 Receive OMCI message
c7f433bf 3d omci_msg.c 172 4 tick: 0x11ea25cb PRI: 0, TI: 0x135c,
DID: 10, DB: 0, AR: 1, AK: 0, MT: 14, Class: 2, inst: 0x0
c7f433bf 3d omci_msg.c 178 4 00 f2 00 00 00 00 00 00 00 00 00 00
00 00 00
c7f433c0 3d omci_msg.c 184 4 00 00 00 00 00 00 00 00 00 00 00 00
00 00 00 00

```

2.5.7 MEC log

To check implement of OMCI message

[Command]

/system/log/show mec

Example:

#ONT/system/log>show mec

Log: mec

```

tick upTime1      file line level message
c7f3bf0b 1f mec_main.c 474 4 Starting MEC
c7f3bfb0 1f mec_alu_specifi 3390 4 ALU spec register
c7f3bfb2 1f mec_alu_specifi 3414 4 This is ALU ISAM-based OLT 4.0
c7f3bfb4 1f mec_main.c 415 4 Get major ID[0xe8] minor ID[0x1]
c7f3bfb6 1f mec_main.c 2763 4 PON_TYPE 1
c7f3bfc8 20 mec_init.c 160 4 Get major ID[0xe8] minor ID[0x1]
c7f3bfc8 20 mec_init.c 172 4 Get active entity 0
c7f3bfcf 20 mec_init.c 188 4 Get commit entity 0
c7f3bfd2 20 mec_init.c 1059 4 mec_ImageValid: file magic is
0x23494255
c7f3bfd2 20 mec_init.c 1094 4 check: ubi & kernel inst 1
c7f3c0ec 20 mec_init.c 455 4 Restoring MIB
c7f3c0f0 20 mec_init.c 444 4 ReStore cardholder slot [128] MIB
c7f3c0f4 20 mec_init.c 444 4 ReStore cardholder slot [1] MIB
c7f3c0f7 20 mec_init.c 444 4 ReStore cardholder slot [10] MIB
c7f3c0fa 20 mec_init.c 444 4 ReStore cardholder slot [2] MIB
c7f3c0ff 20 mec_init.c 444 4 ReStore cardholder slot [4] MIB
c7f3c102 20 mec_init.c 444 4 ReStore cardholder slot [14] MIB
c7f3c18c 20 mec_cfg.c 82 4 Set active image: inst = 0, sync msg
return OK
c7f3c20f 20 mec_cfg.c 82 4 Set commit image: inst = 0, sync msg
return OK
c7f3c244 20 mec_voip.c 744 4 unknown softswitch type
c7f3c247 20 mec_country.c 72 4 ---default country std E164.
c7f3c247 20 mec_country.c 120 4 ---default country code is 1.
c7f3c248 20 mec_voip.c 1178 4 Set Country Code: slot[0] port[0] [1]
c7f3c248 20 mec_voip.c 768 4 gMecVoipData.Default.country_code
[1]
c7f3c24a 20 mec_voip.c 501 4 Load Country Code 1 from private
mib
c7f3c24a 20 mec_country.c 186 4 ---country code 1 is valid.
c7f3c279 20 mec_main.c 529 4 Starting mib save timer
c7f3c299 20 mec_ip_path_mai 123 4 MEC_IpPathInit { log } : The
customer is ALU
c7f3c29c 20 mec_ip_path_mai 164 4 MEC_IpPathInit { log } : use the
default xml /etc/US.xml !

```

c7f3c2ae	20	mec_main.c 1334	4 Misc Manager is ready
c7f3c6e1	21	mec_main.c 1285	4 Pon Manager is ready
c7f3ca66	22	mec_main.c 1344	4 Net Manager is ready
c7f3cb2c	22	mec_main.c 1305	4 Voip Manager is ready
c7f3d29c	24	mec_main.c 1295	4 Ethnet Manager is ready

3. OMCI MIB

3.1 MIB dump CLI

To print the ONT OMCI MIB . CLI “dump” will save the file in /s/s/tmp/mibdump.txt. CLI “/s/s/” will go to dir /s/s. CLI “cat /tmp/mibdump.txt” will print all the OMCI MIB.

[Command]

/s/m/dump

/s/s/

cat /tmp/mibdump.txt

Example:

```
#ONT/system/shell>/s/m/dump
```

MIB is saved to the file /tmp/mibdump.txt.

```
#ONT/system/shell>/s/s/
```

```
#ONT/system/shell>cat /tmp/mibdump.txt
```

Total 292 tables

Table Ontg, Ont-g, ME 256, total 1 instances

EntityID = 0x0000

VID = 41 4c 43 4c

Version = 33 46 45 35 33 33 34 37 41 55 41 41 30 32

SerialNum = 41 4c 43 4c f8 da 2d 07

TraffMgtOpt = 0x00

AtmCCOpt = 0x00

BatteryBack = 0x00

AdminState = 0x00

OpState = 0x00

OntState = 0x03

3.2 MIB reset CLI

To Reset mib to default values

[Command]

/s/m/reset

Example:

/s/m/reset

3.3 MIB show CLI

Usage: show CLASSID

CLASSID: the class ID of the ME, defined in 983.2/984.4, currently the following MEs are supported:

[Command]

/s/m/show ID

Example:

#ONT/system/mib>show 45

Table MacBriServProf, MAC Bridge Service Profile, total 1 instances

EntityID	= 0x0e01
SpanTreeInd	= 0
LearningInd	= 0
AtmBrilnd	= 0
Priority	= 32768
MaxAge	= 5120
HelloTime	= 512
ForwardDelay	= 3840
DiscardUnknow	= 0
MacLearningDepth	= 0
DynFilterAgeTime	= 0

#ONT/system/mib>

4. Mirror function

Mirror configuration

[Command]

#ONT/system/shell>diag

Example:

/s/s/diag

RTK.0> mirror set mirroring-port 0 mirrored-port 1 rx-mirror tx-mirror

// mirror pon

RTK.0> mirror set mirroring-port 0 mirrored-port 5 rx-mirror tx-mirror

5 Common service debug information

5.1 Check general traffic configure

/system/ontver

/system/ontver build

/traffic/pon/show traffic all

/traffic/omci/show connection all

```
/traffic/omci/debug/show 0
/traffic/eth/show connect all
/traffic/pon/show link
/traffic/eth/show pack
/s/s/ifconfig
/system/misc/eqsn get
/system/misc/show trans state
/s/log/show omci
/s/log/show mec
/s/log/show emr
/s/log/show pmr
/s/log/show pmr_drv
/s/log/show mec_fm
/s/log/show us_ploam
/s/log/show ds_ploam
/system/log/show net
/s/m/dump
/s/s/
cat /tmp/mibdump.txt
```

5.2 Check detail traffic configure

```
/traffic/omci/show connection all
/traffic/omci/debug/show 0
/traffic/eth/debug/showconn all
/traffic/eth/debug/showconn 0
/traffic/eth/show connect all
/stytem/log/show mec
```

5.3 Check IPTV configure

```
/traffic/eth/show igmp domain
/traffic/eth/show igmp uni
/traffic/eth/show igmp pm all
/traffic/eth>show igmp pm
/system/ontver
/system/ontver build
/traffic/pon/show traffic all
/traffic/omci/show connection all
/traffic/omci/debug/show 0
/traffic/eth/show connect all
/traffic/pon/show link
/traffic/eth/show pack
/s/s/ifconfig
```

```
/system/misc/eqsn get
/system/misc/show trans state
/s/log/show omci
/s/log/show mec
/s/log/show emr
/s/log/show pmr
/s/log/show pmr_drv
/s/log/show mec_fm
/s/log/show us_ploam
/s/log/show ds_ploam
/system/log/show net
/s/m/dump
/s/s/
cat /tmp/mibdump.txt
```

5.4 Check traffic PM

```
/traffic/pon/show pm gem all
/traffic/omci/show pm gem
/traffic/omci/show pm eth
/traffic/omci/show pm omci
```



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