

## Dasan Zhone Commands

### #COMMANDS

slots

list card-profile

get card-profile 1/4/10203

gponolt show port

gpononu show 3/1/1 :verify that the ONT 3/1/1 is associated with the OMCI file

card stats all

bridge show :displays the bridge type and verify the bridge is created

bridge show vlan 10

bridge stats vlan 10

bridge show 1-1-5-267-gponport-10/bridge

bridge show 1-1-5-11/gpononu

onu image show 1/5/11

dir

cd datastor

copy infotbl.v9 infotbl.v9\_beforeReboot

interface show

onu recover 1/5/11

onu resync 1/5/11

ifxlate 1970

audit

onu show 1/4/6

onu clear 1/4/6 :to disable an ONT, and clear the serial number for this ONT

linkagg show

gpononu gemparts 1/5/11 :displays the names and bandwidth of GEM ports for selected ONUs

gpononu status :displays the operating status and gpon onu line status for selected ONUs

gpononu show :displays the available ONUs and the discovered serial numbers for OLTs

gpononu showall :displays ONUs with serial number data and other information

gpononu clear :disable an ONU and clear the serial number to default

### #EXAMPLES

slots

MXK 319

Uplinks

a: MXK TWO TENGIGE EIGHT GIGE CLK (RUNNING+TRAFFIC)

b:\*MXK TWO TENGIGE EIGHT GIGE CLK (RUNNING+TRAFFIC)

Cards

1: MXK 8 PORT GPON (RUNNING)

2: MXK 8 PORT GPON (RUNNING)

3: MXK 8 PORT GPON (RUNNING)

4: MXK 8 PORT GPON (RUNNING)

list card-profile

card-profile 1/a/10150

card-profile 1/b/10150

card-profile 1/1/10203

card-profile 1/2/10203

card-profile 1/3/10203

card-profile 1/4/10203

6 entries found.

get card-profile 1/4/10203

card-profile 1/4/10203

sw-file-name: -----> {mxlc8gp.bin}  
admin-status: -----> {operational}  
upgrade-sw-file-name: ---> {}  
upgrade-vers: -----> {}  
admin-status-enable: ----> {enable}  
sw-upgrade-admin: -----> {reloadcurrrev}  
sw-enable: -----> {true}  
sw-upgrade-enable: -----> {false}  
card-group-id: -----> {0}  
hold-active: -----> {false}  
weight: -----> {nopreference}  
card-line-type: -----> {unknowntype}  
card-atm-configuration: -> {notapplicable}  
card-line-voltage: -----> {not-used}  
maxvpi-maxvci: -----> {notapplicable}  
card-init-string: -----> {32onu}  
wetting-current: -----> {disabled}  
pwe-timing-mode: -----> {none}

gponolt show port

SLOT/OLT Temperature Voltage Tx Bias Current Tx Power End Of Life Status

=====

1/1	36c	3.2v	11mA	3.8dBm	Ok
1/2	40c	3.2v	12mA	3.8dBm	Ok
1/3	40c	3.2v	14mA	3.8dBm	Ok
1/4	38c	3.2v	13mA	3.8dBm	Ok
1/5	41c	3.2v	14mA	3.7dBm	Ok
1/6	41c	3.2v	15mA	3.7dBm	Ok
1/7	43c	3.2v	14mA	3.7dBm	Ok
1/8	39c	3.2v	14mA	3.7dBm	Ok

SLOT/OLT Temperature Voltage Tx Bias Current Tx Power End Of Life Status

=====

2/1	34c	3.3v	0mA	NA	Ok
2/2	38c	3.3v	0mA	NA	Ok
2/3	39c	3.3v	0mA	NA	Ok
2/4	37c	3.3v	0mA	NA	Ok
2/5	36c	3.2v	0mA	NA	Ok
2/6	38c	3.3v	0mA	NA	Ok
2/7	39c	3.3v	0mA	NA	Ok
2/8	37c	3.3v	0mA	NA	Ok

SLOT/OLT Temperature Voltage Tx Bias Current Tx Power End Of Life Status

=====

3/1	30c	3.4v	11mA	3.8dBm	Ok
3/2	0c	0.0v	NA	NA	Admin Down
3/3	0c	0.0v	NA	NA	Admin Down
3/4	0c	0.0v	NA	NA	Admin Down
3/5	0c	0.0v	NA	NA	Admin Down
3/6	0c	0.0v	NA	NA	Admin Down
3/7	0c	0.0v	NA	NA	Admin Down
3/8	0c	0.0v	NA	NA	Admin Down

SLOT/OLT Temperature Voltage Tx Bias Current Tx Power End Of Life Status

=====

4/1	NA	NA	NA	NA	SFP not present
4/2	0c	0.0v	NA	NA	Admin Down
4/3	0c	0.0v	NA	NA	Admin Down
4/4	0c	0.0v	NA	NA	Admin Down

4/5 0c 0.0v NA NA Admin Down  
4/6 0c 0.0v NA NA Admin Down  
4/7 0c 0.0v NA NA Admin Down  
4/8 36c 3.3v 12mA 3.9dBm Ok

card stats all

```
----- cpu % utilization ----- memory (KB)----- Card Memory uptime
slot idle usage high services framework low % Used Total Peak Avail Status ddd:hh:mm:ss s/w version
=====
=====
1 65 35 22 11 0 0 65.10 104334 68341 36412 1 - OK 516:15:08:54 MXK 2.5.1.147
2 72 28 15 11 0 0 49.34 104334 51692 52858 1 - OK 516:15:08:52 MXK 2.5.1.147
3 90 10 6 3 0 0 44.76 104334 46852 57638 1 - OK 516:15:09:13 MXK 2.5.1.147
4 92 8 4 2 0 0 43.75 104334 45722 58686 1 - OK 516:15:09:13 MXK 2.5.1.147
a 90 10 4 4 0 0 21.26 623962 133427 491279 1 - OK 445:02:00:59 MXK 2.5.1.147
b* 90 10 5 4 0 0 22.98 623964 156381 480600 1 - OK 516:15:08:19 MXK 2.5.1.147
```

bridge show

```
Orig
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
-----
tls c:28 Tagged 10 1/1/1/1/gpononu 1-1-1-257-gponport-10/bridge UP D c8:1f:xx:xx:xx:xx
D 64:00:xx:xx:xx:xx
tls c:28 Tagged 11 1/1/1/1/gpononu 1-1-1-258-gponport-11/bridge UP D 00:15:xx:xx:xx:xx
D 00:15:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/2/gpononu 1-1-1-261-gponport-10/bridge UP D 50:9a:xx:xx:xx:xx
tls c:28 Tagged 11 1/1/1/2/gpononu 1-1-1-262-gponport-11/bridge UP D 00:15:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/3/gpononu 1-1-1-259-gponport-10/bridge UP
tls c:28 Tagged 11 1/1/1/3/gpononu 1-1-1-260-gponport-11/bridge UP
tls c:28 Tagged 10 1/1/1/5/gpononu 1-1-1-265-gponport-10/bridge UP D 64:00:xx:xx:xx:xx
tls c:28 Tagged 11 1/1/1/5/gpononu 1-1-1-266-gponport-11/bridge UP D 00:15:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/6/gpononu 1-1-1-267-gponport-10/bridge DWN
tls c:28 Tagged 11 1/1/1/6/gpononu 1-1-1-268-gponport-11/bridge DWN
tls c:28 Tagged 10 1/1/1/7/gpononu 1-1-1-269-gponport-10/bridge UP D f8:bc:xx:xx:xx:xx
```

bridge show vlan 10

```
Orig
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
-----
tls c:28 Tagged 10 1/1/1/1/gpononu 1-1-1-257-gponport-10/bridge UP D c8:1f:xx:xx:xx:xx
D 64:00:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/2/gpononu 1-1-1-261-gponport-10/bridge UP D 50:9a:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/3/gpononu 1-1-1-259-gponport-10/bridge UP
tls c:28 Tagged 10 1/1/1/5/gpononu 1-1-1-265-gponport-10/bridge UP D 64:00:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/6/gpononu 1-1-1-267-gponport-10/bridge DWN
tls c:28 Tagged 10 1/1/1/7/gpononu 1-1-1-269-gponport-10/bridge UP D f8:bc:xx:xx:xx:xx
D 50:9a:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/8/gpononu 1-1-1-271-gponport-10/bridge UP D f8:bc:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/10/gpononu 1-1-1-275-gponport-10/bridge UP
tls c:28 Tagged 10 1/1/1/11/gpononu 1-1-1-277-gponport-10/bridge UP D 5c:f9:xx:xx:xx:xx
tls c:28 Tagged 10 1/1/1/13/gpononu 1-1-1-281-gponport-10/bridge UP D f8:bc:xx:xx:xx:xx
```

bridge stats vlan 10

```
Interface Received Packets Transmitted Packets Storm Detect Packets Byte Counters
Name UCast MCast BCast UCast MCast BCast Error UCast MCast BCast Alarm Received Transmitted
linkagg-a-1-10/bridge -- -- -- -- -- 0 0 0 0 -- --
1-1-2-264-gponport-10/bridge 759M 0 1 1078M 137 21921 0 0 0 0 0 -- --
1-1-2-266-gponport-10/bridge 47297k 0 1 54347k 137 21921 0 0 0 0 0 -- --
1-1-2-268-gponport-10/bridge 239M 0 4 310M 137 21910 6 0 0 0 0 -- --
```

```
1-1-3-257-gponport-10/bridge 1857M 0 10 2482M 137 21906 0 0 0 0 0 -- --
1-1-2-270-gponport-10/bridge 114M 0 12 132M 35 15798 21 0 0 0 0 -- --
1-1-2-272-gponport-10/bridge 424M 0 33 463M 137 21811 39 0 0 0 0 -- --
1-3-1-271-gponport-10/bridge -- -- -- 2948k 127 8295 0 0 0 0 0 -- --
1-1-2-276-gponport-10/bridge 1 0 0 20041 137 21845 76 0 0 0 0 -- --
```

```
bridge show 1-1-5-267-gponport-10/bridge
```

```
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
```

```
-----
tIs c:28 Tagged 10 1/1/5/6/gpononu 1-1-5-267-gponport-10/bridge UP D 50:9a:xx:xx:xx:xx
1 Bridge Interfaces displayed
```

```
bridge show 1-1-5-11/gpononu
```

```
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
```

```
-----
tIs c:28 Tagged 10 1/1/5/11/gpononu 1-1-5-273-gponport-10/bridge UP D 64:00:xx:xx:xx:xx
tIs c:28 Tagged 11 1/1/5/11/gpononu 1-1-5-274-gponport-11/bridge UP D 00:15:xx:xx:xx:xx
2 Bridge Interfaces displayed
```

```
onu image show 1/5/11
```

```
Partition 0 Partition 1
```

```
-----
Version: S3.0.510 S3.0.535
isCommitted: False True
isActive: False True
isValid: True True
```

```
Download status: No Upgrade
Onu model id: 2624P
```

```
dir
```

```
Listing Directory .:
drwxrwxrwx 1 0 0 16384 Aug 10 03:47 datastor/
drwxrwxrwx 1 0 0 16384 Dec 31 1979 onreboot/
-rwxrwxrwx 1 0 0 817432 Sep 2 2014 mxup2tg8gtopraw.bin
-rwxrwxrwx 1 0 0 15908777 Sep 2 2014 mxup2tg8gtop.bin
-rwxrwxrwx 1 0 0 9186304 Sep 2 2014 mxk319_http.tar
drwxrwxrwx 1 0 0 16384 Feb 9 2000 crash/
drwxrwxrwx 1 0 0 16384 May 23 2000 log/
drwxrwxrwx 1 0 0 16384 Feb 9 2000 bulkstats/
drwxrwxrwx 1 0 0 16384 Feb 9 2000 pub/
-rwxrwxrwx 1 0 0 15663124 Jun 28 2000 2600_30522_sip.img
-rwxrwxrwx 1 0 0 15745044 Jun 29 2000 2600_s30535.img
-rwxrwxrwx 1 0 0 15761428 May 25 2014 2600-30546s.img
drwxrwxrwx 1 0 0 16384 Sep 2 2014 backup/
-rwxrwxrwx 1 0 0 7664233 Sep 2 2014 mxlc8gp.bin
911915264 bytes available
```

```
cd datastor
```

```
dir
```

```
Listing Directory .:
drwxrwxrwx 1 0 0 16384 Aug 10 03:47 ./
drwxrwxrwx 1 0 0 16384 Feb 7 2106 ../
-rwxrwxrwx 1 0 0 492 Mar 13 2018 cardprof.dat
-rwxrwxrwx 1 0 0 2059660 Sep 2 2014 infotbl.v8.old
-rwxrwxrwx 1 0 0 40 May 24 2018 select.act
-rwxrwxrwx 1 0 0 1909404 Aug 12 10:43 infotbl.v9
-rwxrwxrwx 1 0 0 201 Mar 13 2018 poly.cfg
```

```
-rwxrwxrwx 1 0 0 1425908 Sep 2 2014 infotbl.v9.eins
-rwxrwxrwx 1 0 0 1905436 Aug 10 03:47 infotbl.v9.old
-rwxrwxrwx 1 0 0 1470788 Aug 8 2017 infotbl.v9.bak
9996032 reserved for provisioning
911915264 bytes available
```

```
copy infotbl.v9 infotbl.v9_beforeReboot
dir
```

```
Listing Directory .:
drwxrwxrwx 1 0 0 16384 Aug 12 10:54 ./
drwxrwxrwx 1 0 0 16384 Feb 7 2106 ../
-rwxrwxrwx 1 0 0 492 Mar 13 2018 cardprof.dat
-rwxrwxrwx 1 0 0 2059660 Sep 2 2014 infotbl.v8.old
-rwxrwxrwx 1 0 0 40 May 24 2018 select.act
-rwxrwxrwx 1 0 0 1909404 Aug 12 10:43 infotbl.v9
-rwxrwxrwx 1 0 0 201 Mar 13 2018 poly.cfg
-rwxrwxrwx 1 0 0 1425908 Sep 2 2014 infotbl.v9.eins
-rwxrwxrwx 1 0 0 1905436 Aug 10 03:47 infotbl.v9.old
-rwxrwxrwx 1 0 0 1909404 Aug 12 10:43 infotbl.v9_beforereboot
-rwxrwxrwx 1 0 0 1470788 Aug 8 2017 infotbl.v9.bak
9996032 reserved for provisioning
909998336 bytes available
```

```
interface show
```

```
1 interface
Interface Status Rd/Address Media/Dest Address IfName
-----
1/a/1/0/ip UP 1 192.168.20.151/24 00:01:47:3c:d0:e8 ethernet1
-----
```

```
onu recover 1/5/11
onu resync 1/5/11
```

```
AUG 12 11:08:14: error : 1/1/0 : gponomci: Profile based ONT configuration failed, ONU(1/8/23)
onu status 1/5/11
Download OLT ONT Distance Gpon AutoConfig
ID Onu OperStatus ConfigState State Rx Power Rx Power (KM) OnuStatus State
=====
=====
11 S6-28:1-1-5-11 Up Configuring NoUpgrade -25.8 dBm error 0.2210 Active Init
```

```
bridge show 1-1-5-11/gpononu
```

```
AUG 12 11:12:53: error : 1/1/0 : gponomci: CpeCfgSendName failed, ifIndex 1970
```

```
Orig
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
-----
```

```
tls c:28 Tagged 10 1/1/5/11/gpononu 1-1-5-273-gponport-10/bridge UP
tls c:28 Tagged 11 1/1/5/11/gpononu 1-1-5-274-gponport-11/bridge UP
2 Bridge Interfaces displayed
```

```
ifxlate 1970
```

```
if-translate 1970
ifIndex: -----> {1970}
shelf: -----> {1}
slot: -----> {1}
port: -----> {5}
subport: -----> {1}
type: -----> {other}
```

```
adminstatus: -----> {up}
physical-flag: -----> {false}
iftype-extension: --> {gpononu}
ifName: -----> {S6-24:1-1-5-1}
redundancy-param1: -> {0}
description-index: -> {0}
```

audit

```
auditing the alarm-config profile 0 records
auditing the analog-fxo-cfg-profile profile 0 records
auditing the analog-fxs-cfg-profile profile 0 records
auditing the analog-if-cfg-profile profile 0 records
auditing the atm-if profile. 2 records, 0 issues
auditing the atm-if-stats profile 0 records
auditing the atm-vcl profile 0 records
auditing the atm-vcl-stats profile 0 records
auditing the atm-vpi profile 0 records
auditing the atm-vpl profile 0 records
auditing the bridge-interface-record profile..... 502 records, 0 issues
auditing the cfm-cpe-mep profile 0 records
auditing the cfm-mep profile 0 records
```

onu show 1/4/6

```
Serial
ONU Name Enabled Model # Number OMCI files and profiles
=====
=====
6 S4-28:1-1-4-6 No ZNTS 00000000 (none)
```

Note : NULL Model String indicates not able to get model ID

bridge show 1-1-4-6/gpononu

```
Orig
Type VLAN/SLAN VLAN/SLAN Physical Bridge St Table Data
-----
tls c:28 Tagged 10 1/1/4/6/gpononu 1-1-4-267-gponport-10/bridge DWN
tls c:28 Tagged 11 1/1/4/6/gpononu 1-1-4-268-gponport-11/bridge DWN
2 Bridge Interfaces displayed
```

onu clear 1/4/6

Onu 1/4/6 was already disabled

onu show 1/4/6

```
Serial
ONU Name Enabled Model # Number OMCI files and profiles
=====
=====
6 S4-28:1-1-4-6 No (none)
```

Note : NULL Model String indicates not able to get model ID

linkagg show

```
LinkAggregations:
slot unit ifName partner: Sys Pri grp ID status agg mode
-----
a* 1 1-a-1-0 02:00:00:00:00:0a 0x8000 0xb ACT Active
links slot port subport status (xcard)
```

-----  
1-a-2-0 a 2 0 ACT  
1-a-3-0 a 3 0 ACT

b\* 1 1-b-1-0 02:00:00:00:00:0a 0x8000 0xb ACT Active  
links slot port subport status (xcard)

-----  
1-b-2-0 b 2 0 ACT  
1-b-3-0 b 3 0 ACT

global linkagg group red type: xcard