

3.32.0.95. MA4000-PX. SNMP

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, , .



, , , .

ONT



OID MIB-.

, , , (. . 5, 6).

ONT (<dec_serial>), 8 , .

:

	snmp
ELTX24A80012	69.76.84.88.36.168.0.18
45-4C-54-58-00-00-00-01	69.76.84.88.0.0.0.1

ONT OID- ONT. :

Management	ltp8xONTManagementProfileTable
Ports	ltp8xONTPortsProfileTable
Shaping	ltp8xONTShapingProfileTable
Scripting	ltp8xONTScriptingProfileTable
DBA	ltp8xONTAllocProfileTable
Cross-connect	ltp8xONTCrossConnectProfileTable

unassigned, 65535.

ONT :

- ltp8xONTConfigTable – ;
- ltp8xONTCustomCrossConnectTable – custom-;
- ltp8xONTFullServicesConfigTable – Cross-Connect DBA;
- ltp8xONTSelectiveTunnelTable – selective-tunnel uvids.

ONT , gpon- ONT ID.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.<slot>.8.<dec_serial> i 4
ltp8xONTConfigChannel.<slot>.8.<dec_serial> u <gpon_port>
ltp8xONTConfigID.<slot>.8.<dec_serial> u <ont_id>
```

:

- <gpon_port> – .

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.15.8.69.76.84.88.36.168.0.18 i 4
ltp8xONTConfigChannel.15.8.69.76.84.88.36.168.0.18 u 6
ltp8xONTConfigID.15.8.69.76.84.88.36.168.0.18 u 0
```

ONT 6/0 ELTX24A80012.

ONT

ONT *ltp8xONTConfigTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.<slot>.8.<dec_serial> <par1_type> <par1_value>
<parameter_oid_2>.<slot>.8.<dec_serial> <par2_type> <par2_value>
.....
<parameter_oid_N>.<slot>.8.<dec_serial> <parN_type> <parN_value>
```

:

- <parameter_oid_N> – MIB;
- <parN_type> – ;
- <parN_value> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTConfigDescription.15.8.69.76.84.88.36.168.0.18 s
"ont_description"
ltp8xONTConfigManagementProfile.15.8.69.76.84.88.36.168.0.18 u 1
ltp8xONTConfigFecUp.15.8.69.76.84.88.36.168.0.18 i 1
```

ONT ELTX24A80012 *description*, Management .

Cross-Connect DBA

Cross-Connect DBA *ltp8xONTFullServicesConfigTable*. custom-, - , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFullServicesConfigCrossConnectProfile.<slot>.8.<dec_serial>.<service> u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTFullServicesConfigCrossConnectProfile.15.8.69.76.84.88.36.168.0.18.8 u 1
ltp8xONTFullServicesConfigDBAProfile.15.8.69.76.84.88.36.168.0.18.8 u 2
```

ONT ELTX24A80012 Cross-Connect 1 DBA 2 7.

Custom Cross-Connect

Custom Cross-Connect *ltp8xONTCustomCrossConnectTable*. - , , , .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCustomCrossConnectEnabled.<slot>.8.<dec_serial>.<service> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCustomCrossConnectEnabled.15.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectVID.15.8.69.76.84.88.36.168.0.18.3 i 100
ltp8xONTCustomCrossConnectCOS.15.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectSVID.15.8.69.76.84.88.36.168.0.18.3 i 200
```

ONT ELTX24A80012 Custom Cross Connect 2 cvid=100, svid = 200, cos = 1.

Selective-tunnel uvids

Selective-tunnel uvids *ltp8xONTSelectiveTunnelTable*. , – *selective-tunnel uvid*. 1 42. *uvid* , . , uvid 1 2, uvid 3.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTSelectiveTunnelUVID.<slot>.8.<dec_serial>.<service>.<uvid_id> i
<SelectiveTunnelUVID_value>
```

:

- <SelectiveTunnelUVID_value> – selective-tunnel uvid.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTSelectiveTunnelUVID.15.8.69.76.84.88.36.168.0.18.8.1 i 200
```

ONT ELTX24A80012 selective-tunnel uvid = 200 7.

PoE

PoE ONT *ltp8xOntConfigUniPortTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.1.8.<dec_serial>.<port_number> <par1_type> <par1_value>
<parameter_oid_2>.<slot>.8.<dec_serial>.<port_number> <par2_type> <par2_value>
```

.....

```
<parameter_oid_N>.<slot>.8.<dec_serial>.<port_number> <parN_type> <parN_value>
```

PoE :

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOntConfigUniPortRowStatus.<slot>.8.<dec_serial>.<port_number> i 6
```

:

- <parameter_oid_N> – MIB;
- <parN_type> – ;
- <parN_value> – ;
- <port_number> – .

:

```
snmpset -v2c -c private 192.168.10.151
ltp8xOntConfigUniPortRowStatus.15.8.69.76.84.88.130.0.0.2.1 i 4
ltp8xONTPrtsUNIPoeEnable.15.8.69.76.84.88.130.0.0.2.1 i 1
ltp8xONTPortsUNIPoeClassControl.15.8.69.76.84.88.130.0.0.2.1 u 1
ltp8xONTPortsUNIPoePowerPriority.15.8.69.76.84.88.130.0.0.2.1 u 3
```

ONT

:

```
snmpset -v2c -c <rw_community> <ipaddr>
```

```
ltp8xONTConfigRowStatus.<slot>.8.<dec_serial> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.15.8.69.76.84.88.36.168.0.18 i 6
```

ONT ELTX24A80012.

ONT

ONT .

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReconfigure.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReconfigure.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReset.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReset.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateResetToDefaults.<slot>.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateResetToDefaults.15.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <gpon_port>
ltp8xONTDisableActionDisable.0 u 1
```

:

- <hex_serial> – hex-;
- <gpon_port> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionDisable.0 u 1
```

ONT ELTX24A80012 6- .

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTDisableONTSerial.0 x
<hex_serial> ltp8xONTDisableChannel.0 u <ont_channel>
ltp8xONTDisableActionEnable.0 u 1
```

:

- <hex_serial> – hex-;
- <ont_channel> – gpon-.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTDisableONTSerial.0 x
"454C545824A80012" ltp8xONTDisableChannel.0 u 6
ltp8xONTDisableActionEnable.0 u 1
```

ONT ELTX24A80012 6- 14.

ONT OMCI

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFirmwareUpdateViaOMCISlot.0 u <slot>
ltp8xONTFirmwareUpdateViaOMCISerial.0 x <hex_serial>
ltp8xONTFirmwareUpdateViaOMCIFilename.0 s <firmware_name>
ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

:

- <hex_serial> – hex-;
- <firmware_name> – ONT, OLT.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwareUpdateViaOMCISerial.0 x
"454C545824A80012" ltp8xONTFirmwareUpdateViaOMCIFilename.0 s "ntp-rg-revc
3.24.3.41.fw.bin" ltp8xONTFirmwareUpdateViaOMCIAction.0 u 1
```

ONTELTX24A80012 "ntp-rg-revc-3.24.3.41.fw.bin".

ONT

ONT *ltp8xONTStateTable*.

:

```
snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.<slot>.8.<dec_serial>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTStateState.15.8.69.76.84.88.36.168.0.18
ltp8xONTStateVersion.15.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

PPP-

MAC- ONT :

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsClientMac.<slot>.<gpon_port>.<ont_id>
```

:

- <gpon_port> – , 1.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.11.7.0
```

MAC- ONT 14/6/0.

PPPoE- gpon-, ONT ID MAC-.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.<slot>.<gpon_port>.<ont_id>.6.<dec_client_mac>
```

:

- <gpon_port> – , 1;
- <dec_client_mac> – MAC- .

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSessionID.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsDuration.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsUnblock.15.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSerial.15.6.0.6.152.222.208.0.205.252
```

PPP- MAC- 98:de:d0:00:cd:fc ONT14/6/0.

MAC-

ltp8xONTAddressTable. ONT .

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTAddressEntryID.<slot>.8.<dec_serial>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTAddressEntryID.15.8.69.76.84.88.36.168.0.18
```

MAC- ONT ELTX24A80012.

MAC- ONT ID- ONT.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<entry_id>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTAddressMacAddress.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressCVID.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressSVID.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressUVID.15.8.69.76.84.88.36.168.0.18.1
```

MAC-, CVID, SVID, UVID 1- MAC- ONT ELTX24A80012.

IGMP-

ltp8xONTMulticastStatsTable. ONT .

```
snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTMulticastStatsRecordID.<slot>.8.<dec_serial>
```

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsRecordID.15.8.69.76.84.88.36.168.0.18
```

IGMP- ONT ELTX24A80012.

IGMP- ONT ID- IGMP- ONT.

```
snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<entry_id>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsMulticastAddress.15.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStop.15.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStart.15.8.69.76.84.88.36.168.0.18.153
```

IP-, 153- IGMP- ONT ELTX24A80012 c 14- .

ONT

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTConnectionLogText.<slot>.8.<dec_serial>
```

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTConnectionLogText.15.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012 c 14- .

ONT

ltp8xONTStatistics.

Cross-connect

OID .

1 – ONT OID

	OID	
CrossConnect downstream	ltp8xONTCrossConnectDSCounterName	CrossConnect
	ltp8xONTCrossConnectDSCounterValue	CrossConnect
CrossConnect upstream	ltp8xONTCrossConnectUSCounterName	CrossConnect
	ltp8xONTCrossConnectUSCounterValue	CrossConnect
GEM downstream	ltp8xONTGEMPortPerformMonitoringDSCounterName	GEM
	ltp8xONTGEMPortPerformMonitoringDSCounterValue	GEM
GEM upstream	ltp8xONTGEMPortPerformMonitoringUSCounterName	GEM
	ltp8xONTGEMPortPerformMonitoringUSCounterValue	GEM
GAL	ltp8xONTGalEthPerformMonitoringHistDataCounterName	GAL
	ltp8xONTGalEthPerformMonitoringHistDataCounterValue	GAL
FEC	ltp8xONTFecPerformMonitoringHistDataCounterName	FEC
	ltp8xONTFecPerformMonitoringHistDataCounterValue	FEC

:

```
snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<cross_connect_id>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterName.15.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTCrossConnectDSCounterValue.15.8.69.76.84.88.36.168.0.18.1
```

Cross-Connect downstream, 1- ONT ELTX24A80012.

ETH-

ltp8xONTUNIPortsStateTable.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTUNIPortsStateAvailable.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateLinkUp.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateSpeed.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateDuplex.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEEnabled.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEClassControl.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEPowerPriority.<slot>.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.<slot>.8.<dec_serial>.<eth_port_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTUNIPortsStateAvailable.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateLinkUp.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateSpeed.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateDuplex.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEEnabled.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEClassControl.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEPowerPriority.15.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.15.8.69.76.84.88.36.168.0.18.1
```

1- ETH- ONT ELTX24A80012 14- .

ETH-

OID .

2 – ETH- OID

	OID	
ETH extended downstream	ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName	ETH extended
	ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue	ETH extended
ETH extended upstream	ltp8xONTEthFrameExtendedPerformMonitoringUSCounterName	ETH extended
	ltp8xONTEthFrameExtendedPerformMonitoringUSCounterValue	ETH extended
ETH	ltp8xONTEthPerformMonitoringHistDataCounterName	ETH
	ltp8xONTEthPerformMonitoringHistDataCounterValue	ETH

:

snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.<slot>.8.<dec_serial>.<eth_port_id>

:

```
snmpwalk -v2c -c public 192.168.0.1  
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName.15.8.69.76.84.88.36.168.0.18.1  
snmpwalk -v2c -c public 192.168.0.1  
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue.15.8.69.76.84.88.36.168.0.18.1
```

ETH extended downstream, 1- ETH- ONT ELTX24A80012.

ONT

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTResetCountersAction.<slot>.8.<dec_serial> u 1

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xONTResetCountersAction.15.8.69.76.84.88.36.168.0.18 u 1
```

ONT ELTX24A80012 14 .

GPON-

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelResetCounters.<slot>.<gpon_port> u 1

:

- <gpon_port> – , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelResetCounters.15.7 u 1
```

GPON- 14/6.

OLT

commit/confirm :

:

snmpset -v2c -c <rw_community> <ipaddr> eltexRowStatus.100 i 4

:

```
snmpset -v2c -c private 192.168.0.1 eltexRowStatus.100 i 4
```

pp4x.

Commit

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> eltexSourceFileType.100 i 6 eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "candidate" eltexDestinationFileType.100 i 5 eltexDestinationLocation.100 i 8 eltexDestinationFileName.100 s "running"

:

```
snmpset -v2c -c private -t 20 192.168.0.1 eltexSourceFileType.100 i 6
eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "candidate"
eltexDestinationFileType.100 i 5 eltexDestinationLocation.100 i 8
eltexDestinationFileName.100 s "running"
```

Confirm

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> eltexSourceFileType.100 i 5 eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "running" eltexDestinationFileType.100 i 9 eltexDestinationLocation.100 i 8 eltexDestinationFileName.100 s "confirm"

:

```
snmpset -v2c -c private -t 20 192.168.0.1 eltexSourceFileType.100 i 5
eltexSourceLocation.100 i 8 eltexSourceFileName.100 s "running"
eltexDestinationFileType.100 i 9 eltexDestinationLocation.100 i 8
eltexDestinationFileName.100 s "confirm"
```

VLAN (PP4X/PLC8)

PP4X

VLAN PP4X *dot1qVlanStaticTable*.

VLAN

VLAN - VLAN.

VLAN , 1 N- () ifIndex = N . snmpset hex-

:

- EgressPorts -- VLAN;
- ForbiddenEgressPorts -- , VLAN;


```
snmpget -v2c -c public 192.168.0.1 dot1qVlanStaticName.72
dot1qVlanStaticEgressPorts.72 dot1qVlanForbiddenEgressPorts.72
dot1qVlanStaticUntaggedPorts.72
```

VLAN PP4X.

PLC

VLAN PLC8 *ltp8xSwitchVLANTable*.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchVLANRowStatus.<slot>.<vid> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.15.156 i 4
```

VLAN 156 14 PLC.

VLAN

VLAN , 1 N- () c N . *ltp8xSwitchPortsTable*. snmpset hex-

: *TaggedPorts UntaggedPorts*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANName.<slot>.<vid>
s "vlan_name" ltp8xSwitchVLANTaggedPorts.<slot>.<vid> x
"<tagged_ports_mask>" ltp8xSwitchVLANUntaggedPorts.<slot>.<vid> x
"<untagged_ports_mask>" ltp8xSwitchVLANIGMPSnoopingEnabled.<slot>.<vid> i
1/2 ltp8xSwitchVLANMLDSnoopingEnabled.<slot>.<vid> i 1/2
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xSwitchVLANName.15.156 s "edited_by_snmp"
ltp8xSwitchVLANTaggedPorts.15.156 x "40000000"
ltp8xSwitchVLANUntaggedPorts.15.156 x "20000000"
ltp8xSwitchVLANIGMPSnoopingEnabled.15.156 i 1
ltp8xSwitchVLANMLDSnoopingEnabled.15.156 i 2
```

VLAN 156 14 PLC, "edited_by_snmp", pon-port 1 tagged, pon-port 2 untagged IGMP snooping.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.<slot>.<vid> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.15.156 i 6
```

VLAN 156 14- PLC8

VLAN, VLAN

VLAN :

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.<slot>
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.15
```

VLAN 14- PLC8.

VLAN :

:

```
snmpget -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.<slot>.<vid>  
ltp8xSwitchVLANTaggedPorts.<slot>.<vid>  
ltp8xSwitchVLANUntaggedPorts.<slot>.<vid>  
ltp8xSwitchVLANIGMPSnoopingEnabled.<slot>.<vid>  
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.<slot>.<vid>  
ltp8xSwitchVLANMLDSnoopingEnabled.<slot>.<vid>  
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.<slot>.<vid>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.15.156  
ltp8xSwitchVLANTaggedPorts.15.156 ltp8xSwitchVLANUntaggedPorts.15.156  
ltp8xSwitchVLANIGMPSnoopingEnabled.15.156  
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.15.156  
ltp8xSwitchVLANMLDSnoopingEnabled.15.156  
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.15.156
```

VLAN 14- PLC8.

Terminal VLAN

Terminal VLAN *ltp8xOLTTerminalVLANsNamesTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 4  
ltp8xOLTTerminalVLANsNamesName.<t_vlan_id> s "<t_vlan_name>"
```

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 4  
ltp8xOLTTerminalVLANsNamesName.1 s "created_by_snmp"
```

Terminal VLAN 1 "created_by_snmp".

Terminal VLAN *ltp8xOLTTerminalVLANsTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xOLTTerminalVLANsVID.<t_vlan_id> u <vlan_id>  
ltp8xOLTTerminalVLANsCOS.<t_vlan_id> i <cos>
```

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xOLTTerminalVLANsVID.15.1 u 80  
ltp8xOLTTerminalVLANsCOS.15.1 i 255
```

Terminal VLAN 1 vlan_id = 80, cos = unused.

:/

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesRowStatus.<t_vlan_id> i 6

:/

```
snmpset -v2c -c private 192.168.0.1  
ltp8xOLTTerminalVLANsNamesRowStatus.1 i 6
```

Terminal VLAN 1 .

Terminal VLAN, Terminal VLAN

Terminal VLAN :

:/

snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsNamesName

:/

```
snmpwalk -v2c -c public 192.168.0.1  
ltp8xOLTTerminalVLANsNamesName
```

Terminal VLAN.

VLAN :

:/

snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTTerminalVLANsName.<t_vlan_id>
ltp8xOLTTerminalVLANsVID.<t_vlan_id>
ltp8xOLTTerminalVLANsCOS.<t_vlan_id>

:/

```
snmpget -v2c -c public 192.168.0.1  
ltp8xOLTTerminalVLANsName.15.1  
ltp8xOLTTerminalVLANsVID.15.1  
ltp8xOLTTerminalVLANsCOS.15.1
```

Terminal VLAN 14- PLC8.

IGMP/MLD

IGMP/MLD Snooping, Proxy Report

IGMP/MLD PP4X *pp4IGMPConfig. ltp8xSwitchIGMPSnoopingTable ltp8xIGMPProxyReportTable.* OID .

3 – OID

	OID	
PP4X		
IGMP Snooping	pp4IGMPSnoopingEnable	: 1 – Enable 2 – Disable
IGMP Proxy Report	pp4IGMPProxyReportEnable	
MLD Snooping	pp4MLDSnoopingEnable	
MLD Proxy Report	pp4MLDProxyReportEnable	
PLC8		

IGMP Snooping	ltp8xSwitchIGMPSnoopingEnabled	: 1 – Enable 2 – Disable
IGMP Proxy Report	ltp8xIGMPProxyReportEnabled	
MLD Snooping	ltp8xSwitchMLDSnoopingEnabled	
MLD Proxy Report	ltp8xMLDProxyReportEnabled	

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.<slot> i <value>

<slot> – : 0 – PP4X, 1..16 – PLC8.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchIGMPSnoopingEnabled.0 i 1
```

IGMP Snooping PP4X.

IGMP Snooping, Querier VLAN

PP4X

	OID	
IGMP Snooping	pp4IGMPSnoopingVLANEnabled	: 1 – Enable 2 – Disable
IGMP Querier	pp4IGMPSnoopingVLANQuerierEnabled	
MLD Snooping	pp4MLDSnoopingVLANEnabled	
MLD Querier	pp4MLDSnoopingVLANQuerierEnabled	

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.<vid> i <value>

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPSnoopingVLANEnabled.86 i 1
```

IGMP Snooping VLAN 86 PP4X.

PLC

[VLAN](#).

/ IGMP/MLD Proxy Report Range

PP4X

Proxy Report Range PP4X *pp4IGMPProxyReportRangesTable, pp4MLDProxyReportRangesTable*.

IGMP Proxy Report Range:

:

**snmpset -v2c -c <rw_community> <ipaddr> pp4IGMPProxyRowStatus.<range_id>
i 4 pp4IGMPProxyReportRangesStart.<range_id> a <range_start>
pp4IGMPProxyReportRangesEnd.<range_id> a <range_end>
pp4IGMPProxyReportRangesFromVLAN.<range_id> u <from_vlan>
pp4IGMPProxyReportRangesToVLAN.<range_id> u <to_vlan>**

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPProxyRowStatus.1 i 4  
pp4IGMPProxyReportRangesStart.1 a 233.0.0.1
```

```
pp4IGMPProxyReportRangesEnd.1 a 233.0.0.255
pp4IGMPProxyReportRangesFromVLAN.1 u 5 pp4IGMPProxyReportRangesToVLAN.1
u 6
```

IGMP Proxy Report Range PP4X :

- id=1;
- ip_start: 233.0.0.1;
- ip_end: 233.0.0.255;
- from_vlan: 5;
- to_vlan: 6.

ID IGMP Proxy Report Range PP4X:

:

snmpwalk -v2c -c <ro_community> <ipaddr> pp4IGMPProxyReportRangesID

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4IGMPProxyReportRangesID
```

IGMP Proxy Report Range:

:

snmpset -v2c -c <rw_community> <ipaddr> pp4IGMPProxyRowStatus.<range_id> i 6

:

```
snmpset -v2c -c private 192.168.0.1 pp4IGMPProxyRowStatus.1 i 6
```

IGMP Proxy Report Range id=1 PP4X.

MLD Proxy Report Range:

:

snmpset -v2c -c <rw_community> <ipaddr> pp4MLDProxyRowStatus.<range_id>
i 4 pp4MLDProxyReportRangesStart.<range_id> s <range_start>
pp4MLDProxyReportRangesEnd.<range_id> s <range_end>
pp4MLDProxyReportRangesFromVLAN.<range_id> u <from_vlan>
pp4MLDProxyReportRangesToVLAN.<range_id> u <to_vlan>

:

```
snmpset -v2c -c private 192.168.0.1 pp4MLDProxyRowStatus.1 i 4
pp4MLDProxyReportRangesStart.1 s FF15:0:0:0:0:0:1
pp4MLDProxyReportRangesEnd.1 s FF15:0:0:0:0:0:0:FFFF
pp4MLDProxyReportRangesFromVLAN.1 u 7 pp4MLDProxyReportRangesToVLAN.1 u 8
```

MLD Proxy Report Range PP4X, :

- id=1;
- ip_start: FF15::1;
- ip_end: FF15::FFFF;
- from_vlan: 7;
- to_vlan: 8.

:

snmpset -v2c -c <rw_community> <ipaddr> pp4MLDProxyRowStatus.<range_id> i 6

:

```
snmpset -v2c -c private 192.168.0.1 pp4MLDProxyRowStatus.1 i 6
```

MLD Proxy Report Range id=1 PP4X.

PLC

Proxy Report Range PLC8 *ltp8xIGMPProxyReportRangesTable, ltp8xMLDProxyReportRangesTable.*

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIGMPProxyRowStatus.<slot>.<range_id> i 4
ltp8xIGMPProxyReportRangesStart.<slot>.<range_id> a <range_start>
ltp8xIGMPProxyReportRangesEnd.<slot>.<range_id> a <range_end>
ltp8xIGMPProxyReportRangesFromVLAN.<slot>.<range_id> i <from_vlan>
ltp8xIGMPProxyReportRangesToVLAN.<slot>.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyRowStatus.15.1 i 4
ltp8xIGMPProxyReportRangesStart.15.1 a 235.0.0.1
ltp8xIGMPProxyReportRangesEnd.15.1 a 235.0.0.100
ltp8xIGMPProxyReportRangesFromVLAN.15.1 i 55
ltp8xIGMPProxyReportRangesToVLAN.15.1 i 56
```

IGMP Proxy Report Range 14- :

- id=1;
- ip_start: 233.0.0.1;
- ip_end: 233.0.0.100;
- from_vlan: 55;
- to_vlan: 56.

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIGMPProxyRowStatus.<slot>.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyRowStatus.15.1 i 6
```

id=1 14- .

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xMLDProxyRowStatus.<slot>.<range_id> i 4
ltp8xMLDProxyReportRangesStart.<slot>.<range_id> a <range_start>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id> a <range_end>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id> u <from_vlan>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id> u <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyRowStatus.15.1 i 4
ltp8xMLDProxyReportRangesStart.15.1 s FF15:0:0:0:0:0:0:1
ltp8xMLDProxyReportRangesEnd.15.1 s FF15:0:0:0:0:0:0:100
ltp8xMLDProxyReportRangesFromVLAN.15.1 i 57
ltp8xMLDProxyReportRangesToVLAN.15.1 i 58
```

MLD Proxy Report Range 14- , :

- id=1;
- ip_start: 1;
- ip_end: 100;
- from_vlan: 57;
- to_vlan: 58.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xMLDProxyRowStatus.<slot>.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyRowStatus.15.1 i 6
```

MLD Proxy Report Range id=1 14- .

Proxy Report Range PLC8 *ltp8xIGMPProxyReportRangesGlobalTable, ltp8xMLDProxyReportRangesGlobalTable.*

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xIGMPProxyGlobalRowStatus.<range_id> i 4  
ltp8xIGMPProxyReportRangesGlobalStart.<range_id> a <range_start>  
ltp8xIGMPProxyReportRangesGlobalEnd.<range_id> a <range_end>  
ltp8xIGMPProxyReportRangesGlobalFromVLAN.<range_id> i <from_vlan>  
ltp8xIGMPProxyReportRangesGlobalToVLAN.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyGlobalRowStatus.1 i 4  
ltp8xIGMPProxyReportRangesGlobalStart.1 a 238.0.0.100  
ltp8xIGMPProxyReportRangesGlobalEnd.1 a 238.0.0.150  
ltp8xIGMPProxyReportRangesGlobalFromVLAN.1 i 107  
ltp8xIGMPProxyReportRangesGlobalToVLAN.1 i 108
```

IGMP Proxy Report Range, :

- id=1;
- ip_start: 233.0.0.100;
- ip_end: 233.0.0.150;
- from_vlan: 107;
- to_vlan: 108.

IGMP Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xIGMPProxyGlobalRowStatus.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIGMPProxyGlobalRowStatus.1 i 6
```

IGMP Proxy Report Range, id=1.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xMLDProxyGlobalRowStatus.<range_id> i 4  
ltp8xMLDProxyReportRangesGlobalStart.<range_id> s <range_start>  
ltp8xMLDProxyReportRangesGlobalEnd.<range_id> s <range_end>  
ltp8xMLDProxyReportRangesGlobalFromVLAN.<range_id> i <from_vlan>  
ltp8xMLDProxyReportRangesGlobalToVLAN.<range_id> i <to_vlan>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyGlobalRowStatus.1 i 4  
ltp8xMLDProxyReportRangesGlobalStart.1 s FF15:0:0:0:0:0:100
```

```
ltp8xMLDProxyReportRangesGlobalEnd.1 s FF15:0:0:0:0:0:200
ltp8xMLDProxyReportRangesGlobalFromVLAN.1 i 200
ltp8xMLDProxyReportRangesGlobalToVLAN.1 i 300
```

MLD Proxy Report Range :

- id=1;
- ip_start: FF15::100;
- ip_end: FF15::200;
- from_vlan: 200;
- to_vlan: 300.

MLD Proxy Report Range:

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xMLDProxyGlobalRowStatus.<range_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xMLDProxyGlobalRowStatus.1 i 6
```

MLD Proxy Report Range, id=1.

PP4X

IGMP report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
pp4IGMPProxyReportRangesStart.<range_id>
pp4IGMPProxyReportRangesEnd.<range_id>
pp4IGMPProxyReportRangesFromVLAN.<range_id>
pp4IGMPProxyReportRangesToVLAN.<range_id>
```

MLD report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
pp4MLDProxyReportRangesStart.<range_id>
pp4MLDProxyReportRangesEnd.<range_id>
pp4MLDProxyReportRangesFromVLAN.<range_id>
pp4MLDProxyReportRangesToVLAN.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1 pp4MLDProxyReportRangesStart.1
pp4MLDProxyReportRangesEnd.1 pp4MLDProxyReportRangesFromVLAN.1
pp4MLDProxyReportRangesToVLAN.1
```

MLD Proxy Report Range id=1 PP4X.

PLC

IGMP proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xIGMPProxyReportRangesStart.<slot>.<range_id>
ltp8xIGMPProxyReportRangesEnd.<slot>.<range_id>
ltp8xIGMPProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xIGMPProxyReportRangesToVLAN.<slot>.<range_id>
```

MLD proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xMLDProxyReportRangesStart.<slot>.<range_id>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xIGMPProxyReportRangesStart.15.1
ltp8xIGMPProxyReportRangesEnd.15.1
ltp8xIGMPProxyReportRangesFromVLAN.15.1
ltp8xIGMPProxyReportRangesToVLAN.15.1
```

IGMP Proxy Report Range id=1 14- .

IGMP proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xIGMPProxyReportRangesGlobalStart.<range_id>
ltp8xIGMPProxyReportRangesGlobalEnd.<range_id>
ltp8xIGMPProxyReportRangesGlobalFromVLAN.<range_id>
ltp8xIGMPProxyReportRangesGlobalToVLAN.<range_id>
```

MLD proxy report range:

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xMLDProxyReportRangesGlobalStart.<range_id>
ltp8xMLDProxyReportRangesEnd.<slot>.<range_id>
ltp8xMLDProxyReportRangesFromVLAN.<slot>.<range_id>
ltp8xMLDProxyReportRangesToVLAN.<slot>.<range_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xMLDProxyReportRangesGlobalStart.1
ltp8xMLDProxyReportRangesGlobalEnd.1
ltp8xMLDProxyReportRangesGlobalFromVLAN.1
ltp8xMLDProxyReportRangesGlobalToVLAN.1
```

MLD Proxy Report Range id=1.

Cross-connect, DBA, Ports

Cross-connect

cross-connect *ltp8xONTCrossConnectProfileTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCrossConnectRowStatus.<profile_index> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCrossConnectRowStatus.2 i 4
```

Cross-connect 2.

Cross-connect , vlan_id terminal-vlan – -100 (terminal-vlan-0), -131 (terminal-vlan-31).

:

snmpset -v2c -c <rw_community> <ipaddr>

<parameter_oid_1>.<profile_id> <par1_type> <par1_value>

<parameter_oid_2>.<profile_id> <par2_type> <par2_value>

...

<parameter_oid_N>.<profile_id> <parN_type> <parN_value>

:

- <parameter_oid_N> – MIB;
- <profile_id> – ;
- <parN_type> – ;
- <parN_value> – .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectName.2 s
"edited_by_snmp" ltp8xONTCrossConnectModel.2 i 1
ltp8xONTCrossConnectBridgeGroup.2 u 5 ltp8xONTCrossConnectUVID.2 i -101
```

Cross-connect 2 "edited_by_snmp", type "ont", bridge group = 5 UVID, terminal-vlan-1.

:

snmpset -v2c -c <rw_community> <ipaddr>

ltp8xONTCrossConnectRowStatus.<profile_index> i 6

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTCrossConnectRowStatus.2 i 6
```

Cross-connect 2.

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTCrossConnectName

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTCrossConnectName
```

DBA

DBA *ltp8xONTAllocProfileTable*.

:

snmpset -v2c -c <rw_community> <ipaddr>

ltp8xONTAllocRowStatus.<profile_index> i 4

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 4
```

DBA 3.

```

:
snmpset -v2c -c <rw_community> <ipaddr>

<parameter_oid_1>.<profile_id> <par1_type> <par1_value>

<parameter_oid_2>.<profile_id> <par2_type> <par2_value>

.....

<parameter_oid_N>.<profile_id> <parN_type> <parN_value>

:
    • <parameter_oid_N> – MIB;
    • <profile_id> – ;
    • <parN_type> – ;
    • <parN_value> – .

```

```

snmpset -v2c -c private 192.168.0.1
ltp8xONTAllocName.3 s "edited_by_snmp"
ltp8xONTAllocServiceClass.3 i 3
ltp8xONTAllocFixedBandwidth.3 u 269248

```

DBA 3 "edited_by_snmp", service class = cbr fixed bandwidth 269248.

```

:
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTAllocRowStatus.<profile_index> i 6

```

```

snmpset -v2c -c private 192.168.0.1 ltp8xONTAllocRowStatus.3 i 6

```

DBA 3.

```

:
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTAllocName

```

```

snmpwalk -v2c -c public 192.168.0.1 ltp8xONTAllocName

```

Ports

Ports :

- ltp8xONTPortsProfileTable – ;
- ltp8xONTPortsProfileUNITable – UNI-;
- ltp8xONTPortsProfileMCDynamicEntriesTable – IGMP multicast dynamic entries;
- ltp8xONTPortsProfileMLDDynamicEntriesTable – MLD multicast dynamic entries.

```

:
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTPortsRowStatus.<profile_index> i 4

```

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 4
Ports 4.
```

```
:
:
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.<profile_id>
<par1_type> <par1_value> <parameter_oid_2>.<profile_id> <par2_type>
<par2_value> ... <parameter_oid_N>.<profile_id>
<parN_type> <parN_value>
```

- ```
:
• <parameter_oid_N> - MIB;
• <profile_id> - ;
• <parN_type> - ;
• <parN_value> - .
:
```

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsName.4 s
"edited_by_snmp" ltp8xONTPortsMulticastIPVersion.4 i 1
ltp8xONTPortsMLDVersion.4 u 1 ltp8xONTPortsMLDQueryInterval.4 u 120
```

Ports 4 "edited\_by\_snmp", IPv6, MLD v1 MLD query interval 120.

UNI-:

(0-3).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsUNIBridgeGroup.4.0 i
100 ltp8xONTPortsUNIMulticastEnabled.4.0 i 1
ltp8xONTPortsUNIMaxGroups.4.0 u 500
```

Ports 4, 0, bridge group = 100, max groups = 500 multicast.

IGMP multicast dynamic entries:

dynamic entry (0-19).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMCVLANID.4.14 u 200
ltp8xONTPortsMCFirstGroupIP.4.14 a 224.0.0.0
ltp8xONTPortsMCLastGroupIP.4.14 a 239.255.255.255
```

multicast dynamic entry ( 14) Ports (c 4) : vlan\_id = 200, first group ip = 224.0.0.0, last group ip = 239.255.255.255.

MLD multicast dynamic entries:

dynamic entry (0-19).

```
:
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsMLDVLANID.4.12 u 30
ltp8xONTPortsMLDMCFirstGroupIP.4.12 x "FF01000000000000000000000000FC"
ltp8xONTPortsMLDMCLastGroupIP.4.12 x "FF010000000000000000000000FD"
ltp8xONTPortsMLDMCPreviewLength.4.12 u 1024
```

multicast dynamic entry ( 12) Ports (c 4) : vlan\_id = 30, first group ip = FF01:0:0:0:0:0:FC, last group ip = FF01:0:0:0:0:0:FD preview length = 1024.

:

**snmpset -v2c -c <rw\_community> <ipaddr> ltp8xONTPortsRowStatus.<profile\_index> i 6**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTPortsRowStatus.4 i 6
```

Ports 4.

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> ltp8xONTPortsName**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTPortsName
```

## PLC

### PLC

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4ShelfConfigBoardType.<slot> i <board\_type>**

board\_type 3 (plc8) 0 (none).

:

```
snmpset -v2c -c private 192.168.0.1 pp4ShelfConfigBoardType.15 i 3
```

14 «PLC8».

### PLC

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4SlotsState.<slot>**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SlotsState.15
```

:

- absent (0);
- discovery (1);
- booting (2);
- operational (3);
- lost (4);
- sand (5);
- fail (6);
- notBooting (7).

## PON

, PON

:

snmpset -v2c -c <rw\_community> <ipaddr>  
ltp8xPONChannelEnabled.<slot>.<gpon\_port> i <value>

:

- <gpon\_port> – , 1;
- <value> – :
  - 1 – Enable;
  - 2 – Disable.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelEnabled.15.1 i 2
```

gpon-port 14/0.

:

snmpset -v2c -c <rw\_community> <ipaddr>  
ltp8xPONChannelReconfigure.<slot>.<gpon\_port> u 1

:

- <gpon\_port> – , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelReconfigure.15.1 u 1
```

gpon-port 14/0.

pon- pon- switch.

pon- switch *ltp8xSwitchPortsName*.

| PON | switch |
|-----|--------|
| 0   | 2      |
| 1   | 3      |
| 2   | 8      |
| 3   | 9      |
| 4   | 10     |
| 5   | 11     |
| 6   | 12     |
| 7   | 13     |

Ethernet-

*ltp8xSwitchPortCountersTable*.

:

snmpget -v2c -c <ro\_community> <ipaddr> <counter\_oid>.<slot>.<port\_index>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchPortGoodOctetsRcv.15.9
ltp8xSwitchPortGoodPktsRcv.15.9
```

3- pon- PLC 14- .

*ltp8xSwitchPortsUtilization.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <utilization\_oid>.<slot>.<port\_index>**

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xPortsUtilizationLastKbitsSent.15.13
ltp8xPortsUtilizationLastKbitsRecv.15.13
ltp8xPortsUtilizationLastFramesSent.15.13
ltp8xPortsUtilizationLastFramesRecv.15.13
ltp8xPortsUtilizationAverageKbitsSent.15.13
ltp8xPortsUtilizationAverageKbitsRecv.15.13
ltp8xPortsUtilizationAverageFramesSent.15.13
ltp8xPortsUtilizationAverageFramesRecv.15.13
```

7- pon- PLC 14- .

:

:

**snmpset -v2c -c <rw\_community> <ipaddr> ltp8xPortsUtilizationInterval.0 u <interval>**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPortsUtilizationInterval.0 u
300
```

/,

OLT (tftp/http)

**OLT**

OLT pp4FirmwareUpdate.

| pp4FirmwareUpdateFileName      | OLT       |
|--------------------------------|-----------|
| pp4FirmwareUpdateIpAddress     | IP-       |
| pp4FirmwareUpdateSwitchVersion |           |
| pp4FirmwareUpdateNeedRestart   |           |
| pp4FirmwareUpdateProtocol      | http/tftp |
| pp4FirmwareUpdatePort          |           |
| pp4FirmwareUpdateAction        |           |

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4FirmwareUpdateFileName.0 s  
"<file\_name>" pp4FirmwareUpdateIpAddress.0 a <server\_ip>  
pp4FirmwareUpdateSwitchVersion.0 i <change\_version\_value>  
pp4FirmwareUpdateNeedRestart.0 i <need\_restart\_value>  
pp4FirmwareUpdateProtocol.0 i <download\_protocol>  
pp4FirmwareUpdateAction.0 u 1**

- <server\_ip> – ip- tftp/http ;
- <download\_protocol> – download/httpdownload tftp/http .

:

```
snmpset -v2c -c private 192.168.0.1 pp4FirmwareUpdateFileName.0 s
"ma4000_fw/firmware.3.26.0.1356.ma4k" pp4FirmwareUpdateIpAddress.0 a
192.168.0.55 pp4FirmwareUpdateSwitchVersion.0 i 1
pp4FirmwareUpdateNeedRestart.0 i 1 pp4FirmwareUpdateProtocol.0 i 1
pp4FirmwareUpdateAction.0 u 1
```

ma4000\_fw/firmware.3.26.0.1356.ma4k tftp- 192.168.0.55, .  
snmp-trap .

:

**snmpset -v2c -c <rw\_community> -t 20 <ipaddr>  
pp4UnitsActivePartition.<unit\_value> i <image\_value>**

:

```
snmpset -v2c -c private -t 20 192.168.0.1 pp4UnitsActivePartition.2 i 2
```

2- Unit2.

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4FirmwareUpdateConfirm.0 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 pp4FirmwareUpdateConfirm.0 u 1
```

.

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4SystemUnit1FirmwareVersion.0  
pp4SystemUnit2FirmwareVersion.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SystemUnit1FirmwareVersion.0
pp4SystemUnit2FirmwareVersion.0
```

:

**snmpset -v2c -c <rw\_community> <ipaddr> pp4RebootCommand.102 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 pp4RebootCommand.102 u 1
```

## (PP4X, PLC)

:

```
snmpset -v2c -c <rw_community> <ipaddr> pp4RebootCommand.<board_id> u 1
```

board\_id 1-16 ( PLC), 100 (master PP4X), 101 (slave PP4X).

:

```
snmpset -v2c -c private 192.168.0.1 pp4RebootCommand.15 u 1
```

14.

## ONT

ONT *ltp8xONTFirmwaresDownload.*

|                                    |          |
|------------------------------------|----------|
|                                    |          |
| ltp8xONTFirmwaresDownloadPath      | ONT      |
| ltp8xONTFirmwaresDownloadIPAddress | IP-      |
| ltp8xONTFirmwaresDownloadProtocol  | http/ftp |
| ltp8xONTFirmwaresDownloadPort      |          |
| ltp8xONTFirmwaresDownloadAction    |          |

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xONTFirmwaresDownloadPath.0 s "<file_name>" ltp8xONTFirmwaresDownloadIPAddress.0 a
<server_ip>
ltp8xONTFirmwaresDownloadProtocol.0 i <download_protocol>
ltp8xONTFirmwaresDownloadPort.0 u <server_port>
ltp8xONTFirmwaresDownloadAction.0 u 1
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresDownloadPath.0 s
"ntp-rg-revb-3.24.3.87.fw.bin" ltp8xONTFirmwaresDownloadIPAddress.0 a
192.168.0.55 ltp8xONTFirmwaresDownloadProtocol.0 i 2
ltp8xONTFirmwaresDownloadPort.0 u 8080 ltp8xONTFirmwaresDownloadAction.0 u 1
```

ntp-rg-revb-3.24.3.87.fw.bin 8080 http- 192.168.0.55.

:

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xONTFirmwaresFileName
```

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTFirmwaresFileName
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFirmwaresFilesDelete.<file_id> u 1
```

:

- <file\_id> – ID ONT ( " ").

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTFirmwaresFilesDelete.2 u 1
```

2.

/

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<tftp_server_ip> <tftp_path> upload"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<http_sever_ip> <http_path> httpupload"
```

:

- <tftp\_path>, <http\_path> – .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s
"192.168.0.55 new_config.cfg upload"
```

TFTP 192.168.0.55 new\_config.cfg.

:

TFTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<tftp_ip> <tftp_path> download"
```

HTTP:

```
snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationPrivateCfg.0 s
"<http_ip> <http_path> httpdownload"
```

:

- <tftp\_path>, <http\_path> – .

:

```
snmpset -v2c -c private 192.168.0.1 cmdFileOperationPrivateCfg.0 s
"192.168.0.55:8080 config/new_config.cfg httpdownload"
```

HTTP 192.168.0.55, 8080, config/new\_config.cfg.

## OLT

:

:

**snmpget -v2c -c <ro\_community> <ipaddr> omsActiveAlarms.0**

:

```
snmpget -v2c -c public 192.168.0.1 omsActiveAlarms.0
```

:

:

**snmpset -v2c -c <rw\_community> <ipaddr> omsActiveAlarms.0 u 1**

:

```
snmpset -v2c -c private 192.168.0.1 omsActiveAlarms.0 u 1
```

snmp-trap-

, PP4X, PLC8

MA4000 *pp4System pp4BoardState.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <parameter\_oid>.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4SystemUnit1SerialNumber.0
pp4BoardFan3AbsoluteSpeed.0
```

Unit1 Fan3.

PLC8 *ltp8xPLCBoardStateTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> <parameter\_oid>.<slot>**

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPLCBoardStateRAMFree.15
```

14- .

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4Feeder1Status.0  
pp4Feeder1Active.0 pp4Feeder1Polarity.0 pp4Feeder1Current.0  
pp4Feeder1Voltage.0 pp4Feeder2Status.0 pp4Feeder2Active.0  
pp4Feeder2Polarity.0 pp4Feeder2Current.0 pp4Feeder2Voltage.0  
pp4StationVoltage.0**

:

```
snmpget -v2c -c public 192.168.0.1 pp4Feeder1Status.0 pp4Feeder1Active.0
pp4Feeder1Polarity.0 pp4Feeder1Current.0 pp4Feeder1Voltage.0
pp4Feeder2Status.0 pp4Feeder2Active.0 pp4Feeder2Polarity.0
pp4Feeder2Current.0 pp4Feeder2Voltage.0 pp4StationVoltage.0
```

PP4X PON- PLC8

*ifTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr> ifOperStatus.<ifIndex>**

:

```
snmpget -v2c -c public 192.168.0.1 ifOperStatus.11
```

front-port 2/1.

pon- *ltp8xPONChannelStateTable.*

:

**snmpget -v2c -c <ro\_community> <ipaddr>  
<parameter\_oid>.<slot>.<pon\_channel\_id>**

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPONChannelONTCount.15.4
ltp8xPONChannelSFPVendor.15.4 ltp8xPONChannelSFPProductNumber.15.4
ltp8xPONChannelSFPRevision.15.4
```

3- 14- ONT SFP.

## MAC

MAC- PP4X:

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> pp4MacAddressEntryID**

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4MacAddressEntryID
```

MAC- PP4X.

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4MacAddressVLAN.<entry\_id>  
pp4MacAddressAddress.<entry\_id> pp4MacAddressPort.<entry\_id>  
pp4MacAddressType.<entry\_id>**

<entry\_id> – .

:

```
snmpget -v2c -c public 192.168.0.1 pp4MacAddressVLAN.3
pp4MacAddressAddress.3 pp4MacAddressPort.3 pp4MacAddressType.3
```

3- MAC- PP4X.

MAC- switch PLC:

:

**snmpwalk -v2c -c <ro\_community> <ipaddr>  
ltp8xSwitchMacListMacAddressString.<slot>**

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xSwitchMacListMacAddressString.15
```

MAC- 14- MAC.

, , :  
:

**snmpget -v2c -c <ro\_community> <ipaddr>  
ltp8xSwitchMacListInterface.<slot>.<vid>.<dec\_macaddress>  
ltp8xSwitchMacListStatic.<slot>.<vid>.<dec\_macaddress>**

:

- <dec\_macaddress> – MAC-, .

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchMacListInterface.
15.236.152.222.208.0.205.252 ltp8xSwitchMacListStatic.
15.236.152.222.208.0.205.252
```

14- , MAC- 98:de:d0:00:cd:fc 236 VLAN.

## Multicast

Multicast- PP4X *pp4MulticastGroupsTable*.

entry\_id :

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> pp4MulticastEntryID**

:

```
snmpwalk -v2c -c public 192.168.0.1 pp4MulticastEntryID
```

:

**snmpget -v2c -c <ro\_community> <ipaddr> pp4MulticastVLAN.<entry\_id>  
pp4MulticastGroupAddress.<entry\_id> pp4MulticastMemberPorts.<entry\_id>  
pp4MulticastExpires.<entry\_id>**

entry\_id – .

:

```
snmpget -v2c -c public 192.168.0.1 pp4MulticastVLAN.1
pp4MulticastGroupAddress.1 pp4MulticastMemberPorts.1
pp4MulticastExpires.1
```

multicast-, 1 .

Multicast- PLC: . " **IGMP**".

## PPPoE-

PPPoE- *ltp8xOLTPPPoESessionsTable*.

MAC- :

:

**snmpwalk -v2c -c <ro\_community> <ipaddr> ltp8xOLTPPPoESessionsClientMac.1**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.1
```

MAC- GPON-PORT/ONT ID.

, (ONT GEM-, ID PPPoE, PPPoE, ONT ONT PPPoE-. profile pppoe-ia, ONT):

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsSessionID.<slot>.<channel>.<ont_id>.<dec_client_mac>
> ltp8xOLTPPPoESessionsDuration.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsUnblock.<slot>.<channel>.<ont_id>.<client_mac>
ltp8xOLTPPPoESessionsSerial.<slot>.<channel>.<ont_id>.<client_mac>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSessionID.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsDuration.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsUnblock.15.7.0.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSerial.15.7.0.168.249.75.90.189.124
```

PPPoE- ONT 14/6/0 MAC a8:f9:4b:5a:bd:7c.

|     |            |                                               |
|-----|------------|-----------------------------------------------|
|     |            |                                               |
| 2.0 | 31.08.2021 | 3.32.0<br>:<br>1.1.3 PoE<br>:<br>1.2.6.2 ETH- |
| 1.0 | 16.04.2020 |                                               |
|     |            | 3.32.0                                        |