

OLT LTP-8X, LTP-4X. SNMP

LTP-8X, LTP-4X

OLT SNMP

3.48.0 (30.09.2023)

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 , .

 , - , .

ONT

 OID MIB-.

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

ONT :

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

ONT , gpon- ONT ID.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.1.8.<dec_serial> i 4
ltp8xONTConfigChannel.1.8.<dec_serial> u <gpon_port>
ltp8xONTConfigID.1.8.<dec_serial> u <ont_id>
```

:

- <gpon_port> — .

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.1.8.69.76.84.88.36.168.0.18 i 4
ltp8xONTConfigChannel.1.8.69.76.84.88.36.168.0.18 u 6
ltp8xONTConfigID.1.8.69.76.84.88.36.168.0.18 u 0
```

ONT 6/0 ELTX24A80012.

ONT

ONT *ltp8xONTConfigTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid_1>.1.8.<dec_serial> <par1_type> <par1_value>
<parameter_oid_2>.1.8.<dec_serial> <par2_type> <par2_value>
.....
<parameter_oid_N>.1.8.<dec_serial> <parN_type> <parN_value>
```

:

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

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTConfigDescription.1.8.69.76.84.88.36.168.0.18 s
"ont_description"
ltp8xONTConfigManagementProfile.1.8.69.76.84.88.36.168.0.18 u 1
ltp8xONTConfigFecUp.1.8.69.76.84.88.36.168.0.18 i 1
```

ONT ELTX24A80012 *description*, Management .

Cross-Connect DBA

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

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTFullServicesConfigCrossConnectProfile.1.8.<dec_serial>.<service> u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTFullServicesConfigCrossConnectProfile.1.8.69.76.84.88.36.168.0.18.8 u 1
ltp8xONTFullServicesConfigDBAProfile.1.8.69.76.84.88.36.168.0.18.8 u 2
```

ONT ELTX24A80012 Cross-Connect 1 DBA 2 7.

Custom Cross-Connect

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

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTCustomCrossConnectEnabled.1.8.<dec_serial>.<service> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTCustomCrossConnectEnabled.1.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectVID.1.8.69.76.84.88.36.168.0.18.3 i 100
ltp8xONTCustomCrossConnectCOS.1.8.69.76.84.88.36.168.0.18.3 i 1
ltp8xONTCustomCrossConnectSVID.1.8.69.76.84.88.36.168.0.18.3 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.1.8.<dec_serial>.<service>.<uvid_id> i
<SelectiveTunnelUVID_value>
```

:

- <SelectiveTunnelUVID_value> — selective-tunnel uvid.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTSelectiveTunnelUVID.1.8.69.76.84.88.36.168.0.18.8.1 i 200
```

ONT ELTX24A80012 selective-tunnel uvid=200 7.

PoE ONT

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>.1.8.<dec_serial>.<port_number> <par2_type> <par2_value>
.....
<parameter_oid_N>.1.8.<dec_serial>.<port_number> <parN_type> <parN_value>
```

PoE :

snmpset -v2c -c <rw_community> <ipaddr> ltp8xOntConfigUniPortRowStatus.1.8.<dec_serial>.<port_number> i 4

PoE :

snmpset -v2c -c <rw_community> <ipaddr> ltp8xOntConfigUniPortRowStatus.1.8.<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.1.8.69.76.84.88.130.0.0.2.1 i 4
ltp8xONTPrtsUNIPoeEnable.1.8.69.76.84.88.130.0.0.2.1 i 1
ltp8xONTPortsUNIPoeClassControl.1.8.69.76.84.88.130.0.0.2.1 u 1
ltp8xONTPortsUNIPoePowerPriority.1.8.69.76.84.88.130.0.0.2.1 u 3
```

ONT

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTConfigRowStatus.1.8.<dec_serial> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTConfigRowStatus.1.8.69.76.84.88.36.168.0.18 i 6
```

ONT ELTX24A80012.

ONT

ONT .

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReconfigure.1.8.<dec_serial> u 1**

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReconfigure.1.8.69.76.84.88.36.168.0.18 u 1
```

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTStateReset.1.8.<dec_serial> u 1**

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xONTStateReset.1.8.69.76.84.88.36.168.0.18 u 1
```

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
ltp8xONTStateResetToDefaults.1.8.<dec_serial> u 1
```

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xONTStateResetToDefaults.1.8.69.76.84.88.36.168.0.18 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 <gpon_port>  
ltp8xONTDisableActionEnable.0 u 1
```

:

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

:

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

ONT ELTX24A80012 6- .

ONT OMCI

:

```
snmpset -v2c -c <rw_community> <ipaddr>  
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>.1.8.<dec_serial>

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTStateState.1.8.69.76.84.88.36.168.0.18
ltp8xONTStateVersion.1.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

PPP-

MAC- ONT :

:

snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsClientMac.1.<gpon_port>.<ont_id>

:

- <gpon_port> — , 1.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xOLTPPPoESessionsClientMac.1.7.0
```

MAC- ONT 6/0.

PPPoE- gpon-, ONT ID MAC-.

:

snmpget -v2c -c <ro_community> <ipaddr>
ltp8xOLTPPPoESessionsPort.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.1.<gpon_port>.<ont_id>.6.<dec_client_mac>

:

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

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.1.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSessionID.1.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsDuration.1.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsUnblock.1.6.0.6.152.222.208.0.205.252
ltp8xOLTPPPoESessionsSerial.1.6.0.6.152.222.208.0.205.252
```

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

MAC-

ltp8xONTAddressTable. ONT .

:

snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTAddressEntryID.1.8.<dec_serial>

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTAddressEntryID.1.8.69.76.84.88.36.168.0.18
```

MAC- ONT ELTX24A80012.

MAC- ONT ID- ONT.

:

snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<entry_id>

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTAddressMacAddress.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressCVID.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressSVID.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTAddressUVID.1.8.69.76.84.88.36.168.0.18.1
```

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

IGMP-

ltp8xONTMulticastStatsTable. ONT .

:

snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xONTMulticastStatsRecordID.1.8.<dec_serial>

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsRecordID.1.8.69.76.84.88.36.168.0.18
```

IGMP- ONT ELTX24A80012.

IGMP- ONT ID- IGMP- ONT.

:

snmpget -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<entry_id>

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTMulticastStatsMulticastAddress.1.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStop.1.8.69.76.84.88.36.168.0.18.153
ltp8xONTMulticastStatsStart.1.8.69.76.84.88.36.168.0.18.153
```

IP-, 153- IGMP- ONT ELTX24A80012.

ONT

:

snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTConnectionLogText.1.8.<dec_serial>

:

```
snmpget -v2c -c public 192.168.0.1  
ltp8xONTConnectionLogText.1.8.69.76.84.88.36.168.0.18
```

ONT ELTX24A80012.

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
Service utilization 30	ltp8xONTServicesUtilizationLastUpstream	
	ltp8xONTServicesUtilizationLastDownstream	
Service utilization 5	ltp8xONTServicesUtilizationAverageUpstream	
	ltp8xONTServicesUtilizationAverageDownstream	

:

snmpwalk -v2c -c <ro_community> <ipaddr>
<parameter_oid>.1.8.<dec_serial>.<cross_connect_id>

:

```
snmpwalk -v2c -c public 192.168.0.1  
ltp8xONTCrossConnectDSCounterName.1.8.69.76.84.88.36.168.0.18.1  
snmpwalk -v2c -c public 192.168.0.1  
ltp8xONTCrossConnectDSCounterValue.1.8.69.76.84.88.36.168.0.18.1
```

Cross-Connect downstream, ONT ELTX24A80012.

ETH-

ltp8xONTUNIPortsStateTable.

:

```
snmpget -v2c -c <ro_community> <ipaddr>
ltp8xONTUNIPortsStateAvailable.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateLinkUp.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateSpeed.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStateDuplex.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEEnabled.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEClassControl.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoEPSEPowerPriority.1.8.<dec_serial>.<eth_port_id>
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.1.8.<dec_serial>.<eth_port_id>
```

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xONTUNIPortsStateAvailable.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateLinkUp.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateSpeed.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStateDuplex.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEEnabled.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerDetectionStatus.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPowerClassificationStatus.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEClassControl.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoEPSEPowerPriority.1.8.69.76.84.88.36.168.0.18.1
ltp8xONTUNIPortsStatePoECurrentPowerConsumption.1.8.69.76.84.88.36.168.0.18.1
```

ETH- ONT ELTX24A80012.

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>.1.8.<dec_serial>.<eth_port_id>
```

:

```
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterName.1.8.69.76.84.88.36.168.0.18.1
snmpwalk -v2c -c public 192.168.0.1
ltp8xONTEthFrameExtendedPerformMonitoringDSCounterValue.1.8.69.76.84.88.36.168.0.18.1
```

ETH extended downstream, ETH- ONT ELTX24A80012.

downstream BER

ltp8xONTDownstreamBerTable.

:

snmpwalk -v2c -c <ro_community> <ipaddr> <parameter_oid>.1.<gpon_port>.8.<dec_serial>

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerErrors.1.1.8.69.76.84.88.36.168.0.18
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerIntervals.1.1.8.69.76.84.88.36.168.0.18
```

BER Errors BER Intervals ONT ELTX24A80012 gpon-.

downstream BER ONT , ".1.8.<dec_serial>". BER Errors ONT.

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xONTDownstreamBerErrors
```

service utilization

ltp8xONTServicesUtilizationSettingsRowStatus.

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID> i 4

:

- <serviceID> — +1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationSettingsRowStatus.1.8.69.76.84.88.92.9.8.120.1 i 4
```

utilization-enable 0, ONT 454C54585C090878.

service-utilization

OID:

ltp8xONTServicesUtilizationLastUpstream — 30 .

ltp8xONTServicesUtilizationLastDownstream — 30 .

ltp8xONTServicesUtilizationAverageUpstream — 5 .

ltp8xONTServicesUtilizationAverageDownstream — 5 .

:

snmpwalk -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID>

:

- <serviceID> — +1.

:

```
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationLastUpstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationLastDownstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationAverageUpstream.1.8.69.76.84.88.92.9.8.120.2
snmpwalk -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationAverageDownstream.1.8.69.76.84.88.92.9.8.120.2
```

service 1.

service-utilization

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1.8.<dec_serial>.<serviceID> i 6

:

- <serviceID> — +1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xONTServicesUtilizationSettingsRowStatus.1.8.69.76.84.88.92.9.8.120.1 i 6
```

utilization-enable 0, ONT 454C54585C090878.

ONT

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xONTResetCountersAction.1.8.<dec_serial> u 1**

:

```
snmpset -v2c -c private 192.168.0.1  
ltp8xONTResetCountersAction.1.8.69.76.84.88.36.168.0.18 u 1
```

ONT ELTX24A80012.

GPON-

:

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

:

- <gpon_port> — , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelResetCounters.1.7 u 1
```

GPON- 6.

OLT

LTP , Ethernet-, GE-.

(commit) .

:

snmpset -v2c -c <rw_community> -t 20 <ipaddr> ltp8xSaveConfig.0 u 1

:

```
snmpset -v2c -c private -t 20 192.168.0.1 ltp8xSaveConfig.0 u 1
```

:

```
snmpset -v2c -c <rw_community> -t 20 <ipaddr> ltp8xRereadConfig.0 u 1
```

:

```
snmpset -v2c -c private -t 20 192.168.0.1 ltp8xRereadConfig.0 u 1
```

VLAN

VLAN *ltp8xSwitchVLANTable*.

VLAN

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.1.<vlan_id> i 4
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.1.156 i 4
```

VLAN 156.

VLAN

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

: *TaggedPorts* *UntaggedPorts*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANName.1.<vlan_id> s
"vlan_name" ltp8xSwitchVLANTaggedPorts.1.<vlan_id> x "<ports_mask>"
ltp8xSwitchVLANUntaggedPorts.1.<vlan_id> x "<ports_mask>"
ltp8xSwitchVLANIGMPSnoopingEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANMLDSnoopingEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANIGMPQueryInterval.1.<vlan_id> u <value>
ltp8xSwitchVLANMLDQueryInterval.1.<vlan_id> u <value>
ltp8xSwitchVLANIGMPMrouterPorts.1.<vlan_id> x <ports_mask>
ltp8xSwitchVLANMLDMrouterPorts.1.<vlan_id> x <ports_mask>
ltp8xSwitchVLANIsolationEnabled.1.<vlan_id> i 1/2
ltp8xSwitchVLANIsolationGroup.1.<vlan_id>.<group_id> u <port_id>
```

:

- <ports_mask> — ;
- <group_id> — , 1;
- <port_id> — *ltp8xSwitchPortsTable*.

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xSwitchVLANName.1.156 s "edited_by_snmp"
ltp8xSwitchVLANTaggedPorts.1.156 x "40000000"
ltp8xSwitchVLANUntaggedPorts.1.156 x "20000000"
ltp8xSwitchVLANIGMPSnoopingEnabled.1.156 i 1
ltp8xSwitchVLANMLDSnoopingEnabled.1.156 i 1
ltp8xSwitchVLANIGMPQueryInterval.1.156 u 300
ltp8xSwitchVLANMLDQueryInterval.1.156 u 400
ltp8xSwitchVLANIGMPMrouterPorts.1.156 x "FF000000"
ltp8xSwitchVLANMLDMrouterPorts.1.156 x "FF000000"
ltp8xSwitchVLANIsolationEnabled.1.156 i 1
ltp8xSwitchVLANIsolationGroup.1.156.2 u 3
```

VLAN 156 "edited_by_snmp", pon-port 1 tagged, pon-port 2 untagged, IGMP MLD snooping, IGMPQueryInterval=300 MLDQueryInterval=400, IGMP MLD snooping mrouter 10G-front-port 0-1, vlan isolation group 2.

VLAN

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANRowStatus.1.<vlan_id> i 6

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANRowStatus.1.156 i 6
```

VLAN 156 .

VLAN, VLAN

VLAN .

:

snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.1

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.1
```

VLAN.

VLAN .

:

snmpget -v2c -c <ro_community> <ipaddr> ltp8xSwitchVLANName.1.<vlan_id>
ltp8xSwitchVLANTaggedPorts.1.<vlan_id> ltp8xSwitchVLANUntaggedPorts.1.<vlan_id>
ltp8xSwitchVLANIGMPSnoopingEnabled.1.<vlan_id>
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.1.<vlan_id>
ltp8xSwitchVLANIGMPQueryInterval.1.<vlan_id>
ltp8xSwitchVLANMLDSnoopingEnabled.1.<vlan_id>
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.1.<vlan_id>
ltp8xSwitchVLANMLDQueryInterval.1.<vlan_id>
ltp8xSwitchVLANIGMPMrouterPorts.1.<vlan_id>
ltp8xSwitchVLANMLDMrouterPorts.1.<vlan_id>
ltp8xSwitchVLANIsolationEnabled.1.<vlan_id>
ltp8xSwitchVLANIsolationGroup.1.<vlan_id>.<group_id>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchVLANName.1.156  
ltp8xSwitchVLANTaggedPorts.1.156 ltp8xSwitchVLANUntaggedPorts.1.156  
ltp8xSwitchVLANIGMPSnoopingEnabled.1.156  
ltp8xSwitchVLANIGMPSnoopingQuerierEnabled.1.156  
ltp8xSwitchVLANIGMPQueryInterval.1.156  
ltp8xSwitchVLANMLDSnoopingEnabled.1.156  
ltp8xSwitchVLANMLDSnoopingQuerierEnabled.1.156  
ltp8xSwitchVLANMLDQueryInterval.1.156 ltp8xSwitchVLANIGMPMrouterPorts.1.156  
ltp8xSwitchVLANMLDMrouterPorts.1.156 ltp8xSwitchVLANIsolationEnabled.1.156  
ltp8xSwitchVLANIsolationGroup.1.156.2
```

VLAN.

Terminal VLAN

Terminal VLAN

Terminal VLAN *ltp8xOLTTerminal/VLANs/NamesTable.*

:

```
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

Terminal VLAN *ltp8xOLTTerminalVLANsTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xOLTTerminalVLANsVID.1.<t_vlan_id> u <vlan_id>
ltp8xOLTTerminalVLANsCOS.1.<t_vlan_id> i <cos>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xOLTTerminalVLANsVID.1.1 u 80
ltp8xOLTTerminalVLANsCOS.1.1 i 255
```

Terminal VLAN 1 vlan_id = 80, cos = unused.

Terminal VLAN

:

```
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.1.<t_vlan_id>
ltp8xOLTTerminalVLANsVID.1.<t_vlan_id>
ltp8xOLTTerminalVLANsCOS.1.<t_vlan_id>**

:

```
snmpget -v2c -c public 192.168.0.1  
ltp8xOLTTerminalVLANsName.1.1  
ltp8xOLTTerminalVLANsVID.1.1  
ltp8xOLTTerminalVLANsCOS.1.1
```

Terminal VLAN.

IGMP/MLD

IGMP/MLD Snooping

IGMP/MLD *ltp8xSwitchIGMPSnoopingTable*. OID .

3 — OID

	OID	
IGMP Snooping	ltp8xSwitchIGMPSnoopingEnabled	: 1 — Enable 2 — Disable
MLD Snooping	ltp8xSwitchMLDSnoopingEnabled	

:

snmpset -v2c -c <rw_community> <ipaddr> <parameter_oid>.1 i <value>

:

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

IGMP Snooping.

IGMP Snooping, Querier VLAN

[VLAN](#).

OLT, ONT

Address-table

address-table *ltp8xOLTAddressTableProfilesTable ltp8xOLTAddressTableProfileSVLANTable*. S-VLAN .

:

**snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfilesRowStatus.<profile_index> i 4
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfileSVLANRowStatus.<profile_index>.<vlan_id> i 4**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesRowStatus.2 i 4  
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfileSVLANRowStatus.2.1234 i 4
```


address-table 2. s-vlan 1234.

s-vlan *ltp8xOLTAddressTableProfilesTable ltp8xOLTAddressTableProfileSVLANTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr>
<parameter_oid_ProfilesTable>.<profile_id> <par_type> <par_value>
<parameter_oid_ProfileSVLANTable>.<profile_id>.<vlan_id> <par_type> <par_value>
```

:

- <parameter_oid_ProfilesTable> — MIB ltp8xOLTAddressTableProfilesTable;
- <parameter_oid_ProfileSVLANTable> — MIB ltp8xOLTAddressTableProfileSVLANTable;
- <profile_id> — ;
- <par_type> — ;
- <par_value> — .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesDescription.2 s
"edited_by_snmp"
```

address-table 2 "edited_by_snmp".

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfilesRowStatus.<profile_index> i 6
snmpset -v2c -c <rw_community> <ipaddr> ltp8xOLTAddressTableProfileSVLANRowStatus.<profile_index>.<vlan_id> i 6
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfilesRowStatus.2 i 6
snmpset -v2c -c private 192.168.0.1 ltp8xOLTAddressTableProfileSVLANRowStatus.2.1234 i 6
```

address-table 2, S-VLAN 1234 address-table 2.

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 "FF01000000000000000000000000FD"
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
```

PON

, **PON**

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelEnabled.1.<gpon_port> i <value>**

:

- <gpon_port> — , 1;
- <value> — : 1 — Enable; 2 — Disable.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelEnabled.1.1 i 2
```

gpon-port 0.

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xPONChannelReconfigure.1.<gpon_port> u 1**

:

- <gpon_port> — , 1.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelReconfigure.1.1 u 1
```

gpon-port 0.

unknown multicast forwarding

unknown multicast gpon-.

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xPONChannelUnknownMulticastForwardEnabled.1.<GPON-port-id>

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xPONChannelUnknownMulticastForwardEnabled.1.1 i 1
```

unknown multicast forwarding gpon 1.

pon- pon- switch.

pon- switch *ltp8xSwitchPortsName*.

Ethernet-

ltp8xSwitchPortCountersTable.

:

snmpget -v2c -c <ro_community> <ipaddr> <counter_oid>.1.<port_index>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSwitchPortGoodOctetsRcv.1.16  
ltp8xSwitchPortGoodPktsRcv.1.16
```

3- pon-.

ltp8xSwitchPortsUtilization.

:

snmpget -v2c -c <ro_community> <ipaddr> <utilization_oid>.1.<port_index>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPortsUtilizationLastKbitsSent.1.20  
ltp8xPortsUtilizationLastKbitsRcv.1.20  
ltp8xPortsUtilizationLastFramesSent.1.20  
ltp8xPortsUtilizationLastFramesRcv.1.20  
ltp8xPortsUtilizationAverageKbitsSent.1.20  
ltp8xPortsUtilizationAverageKbitsRcv.1.20  
ltp8xPortsUtilizationAverageFramesSent.1.20  
ltp8xPortsUtilizationAverageFramesRcv.1.20
```

7- pon-.

switch

PVID, bridging.

PVID

PVID *ltp8xSwitchPortConfigPVID*.

:

**snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchPortConfigPVID.1.<port_index> u <vlan_id>**

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigPVID.1.2 u 156
```

pvid=156 front-port 1.

bridging

bridging- *ltp8xSwitchPortConfigBridging.* , 1 N- () N . *ltp8xSwitchPortsTable.* **snmpset** hex-.

:

snmpset -v2c -c <rw_community> <ipaddr>
ltp8xSwitchPortConfigBridging.1.<port_index> x <ports_mask>

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigBridging.1.6 x 0033F000
```

bridging pon-port 0-7 front-port 5.

Port Channel

Port-Channel *ltp8xSwitchPortGroupTable ltp8xSwitchPortConfigGroup.*

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<port_channel_index> i 4

:

- <port_channel_index> — Channel Group.

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortGroupRowStatus.1.3 i 4
```

Channel Group 3.

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<interface_id> u <port_channel_index>

:

- <interface_id> — , *ltp8xSwitchPortsTable.*

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigGroup.1.8 u 3
```

Front-Port 7 Channel Group 3.

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigGroup.1.<port_channel_index> i 6

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortGroupRowStatus.1.3 i 6
```

Channel Group 3.

multicast loopback

multicast loopback *ltp8xSwitchVLANTable ltp8xSwitchPortConfigTable. ltp8xSwitchPortsTable.*

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchVLANMulticastLoopbackEnabled.1.<vlan_id>
snmpset -v2c -c <rw_community> <ipaddr> ltp8xSwitchPortConfigMulticastLoopbackPonEnabled.1.<interface_pon_port_id>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchVLANMulticastLoopbackEnabled.1.205
snmpset -v2c -c private 192.168.0.1 ltp8xSwitchPortConfigMulticastLoopbackPonEnabled.1.15
```

multicast loopback VLAN id 205 pon-port 2.

IP Source Guard

IP Source Guard *ltp8xIPSourceGuard*.

IP Source Guard *ltp8xIPSourceGuardConfigTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xIPSourceGuardEnabled.1 i
1/2 ltp8xIPSourceGuardMode.1 u 0/1 ltp8xIPSourceGuardDatabaseEnabled.1 i
1/2 ltp8xIPSourceGuardDatabaseUpdateFreq.1 u <value>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIPSourceGuardEnabled.1 i 1
ltp8xIPSourceGuardMode.1 u 0 ltp8xIPSourceGuardDatabaseEnabled.1 i 1
ltp8xIPSourceGuardDatabaseUpdateFreq.1 u 1020
```

IP Source Guard, static, IP Source Guard Database 1020 .

IP Source Guard Bind

IP Source Guard Bind *ltp8xIPSourceGuardBindTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr>
ltp8xIPSourceGuardBindRowStatus.1.1.2.3.4 i <value>
ltp8xIPSourceGuardBindMAC.1.1.2.3.4 s "<MAC-addr>"
ltp8xIPSourceGuardBindONTChannel.1.1.2.3.4 u <gpon-port>
ltp8xIPSourceGuardBindONTID.1.1.2.3.4 u <ONT-id>
ltp8xIPSourceGuardBindService.1.1.2.3.4 u <ONT-service-id>
```

:

```
snmpset -v2c -c private 192.168.0.1
ltp8xIPSourceGuardBindRowStatus.1.1.2.3.4 i 4
ltp8xIPSourceGuardBindMAC.1.1.2.3.4 s "33:33:33:22:22:22"
ltp8xIPSourceGuardBindONTChannel.1.1.2.3.4 u 1 ltp8xIPSourceGuardBindONTID.1.1.2.3.4 u 1
ltp8xIPSourceGuardBindService.1.1.2.3.4 u 2
```

IP- 1.2.3.4 MAC- 33:33:33:22:22:22 2 ONT.

IP Source Guard Ignored Vlan

IP Source Guard Ignored Vlan *ltp8xIPSourceGuardIgnoredVlanTable*.

:

```
snmpset -v2c -c <rw_community> <ipaddr> ltp8xIPSourceGuardIgnoredVlanRowStatus.1.<vlan_id> i <value>
```

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xIPSourceGuardIgnoredVlanRowStatus.1.222 i 4
```


IPSG VLAN 222.

/, OLT (tftp/http)

OLT

:

**snmpset -v2c -c <rw_community> <ipaddr> cmdFileOperationBinaryCfg.0 s
"<server_ip> <file_path> <download_protocol>"**

:

- <server_ip> — ip- tftp/http ;
- <file_path> — ;
- <download_protocol> — download/httpdownload tftp/http .

:

```
snmpset -v2c -c private -t 20 -r 0 192.168.0.1  
cmdFileOperationBinaryCfg.0 s "192.168.16.55:8080 station_images/ltp-8x  
revc-3.32.0.1260.fw.bin httpdownload"
```

station_images/ltp-8x-revc-3.32.0.1260.fw.bin http- 192.168.0.55, .

LTP

:

snmpget -v2c -c <ro_community> <ipaddr> ltp8xFirmwareRevision.0

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xFirmwareRevision.0
```

:

snmpset -v2c -c <rw_community> <ipaddr> ltp8xRebootTimeout.0 u <value>

:

- <value> — , .

:

```
snmpset -v2c -c private 192.168.0.1 ltp8xRebootTimeout.0 u 0
```

.

ONT

ONT *ltp8xONTFirmwaresDownload.*

ltp8xONTFirmwaresDownloadPath	ONT
ltp8xONTFirmwaresDownloadIPAddress	IP-
ltp8xONTFirmwaresDownloadProtocol	http/tftp

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 (. . 3.3.2).

```

:

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_server_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. , .

:

TFTP:

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

HTTP:

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

:

- <tftp_path>, <http_path> — .

:

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

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-.

LTP

LTP *ltp8xSystem ltp8xBoardStatus.*

:

snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.0

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xSystemMacAddress.0  
ltp8xFan1RPM.0 ltp8xRAMFree.0
```

MAC- LTP Fan1, .

LTP *ltp8xPowerSupplyTable.*

:

snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.<module_id>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPowerSupplyModulePresent.1  
ltp8xPowerSupplyModuleName.1 ltp8xPowerSupplyModuleType.1  
ltp8xPowerSupplyModuleIntact.1
```

id=1, .

PON-

ifTable.

:

snmpget -v2c -c <ro_community> <ipaddr> ifOperStatus.<ifIndex>

:

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

front-port 2.

pon- *ltp8xPONChannelStateTable.*

:

snmpget -v2c -c <ro_community> <ipaddr> <parameter_oid>.1.<pon_channel_id>

:

```
snmpget -v2c -c public 192.168.0.1 ltp8xPONChannelONTCount.1.4
ltp8xPONChannelSFPVendor.1.4
ltp8xPONChannelSFPProductNumber.1.4 ltp8xPONChannelSFPRevision.1.4
```

3- ONT SFP.

MAC

MAC- switch *ltp8xSwitchMacListTable*.

MAC- switch:

:

**snmpwalk -v2c -c <ro_community> <ipaddr>
ltp8xSwitchMacListMacAddressString.1**

:

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xSwitchMacListMacAddressString.1
```

MAC- .

, , :

:

**snmpget -v2c -c <ro_community> <ipaddr>
ltp8xSwitchMacListInterface.1.<vlan_id>.<dec_macaddress>
ltp8xSwitchMacListStatic.1.<vlan_id>.<dec_macaddress>**

:

- <dec_macaddress> — MAC-, .

:

```
snmpget -v2c -c public 192.168.0.1
ltp8xSwitchMacListInterface.1.236.152.222.208.0.205.252
ltp8xSwitchMacListStatic.1.236.152.222.208.0.205.252
```

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

Multicast

[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.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSessionID.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsDuration.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsUnblock.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
ltp8xOLTPPPoESessionsSerial.1.<gpon_port>.<ont_id>.6.<dec_client_mac>
```

:

• <gpon_port> — , 1.

```
snmpget -v2c -c public 192.168.0.1
ltp8xOLTPPPoESessionsPort.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSessionID.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsDuration.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsUnblock.1.7.0.6.168.249.75.90.189.124
ltp8xOLTPPPoESessionsSerial.1.7.0.6.168.249.75.90.189.124
```

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

ltp8xLicense.

```
snmpwalk -v2c -c <ro_community> <ipaddr> ltp8xLicense
```

```
snmpwalk -v2c -c public 192.168.0.1 ltp8xLicense
```

9.5	30.09.2023	3.48.0	3.48.0
9.4	02.11.2022	3.46.0	3.46.0
9.3	13.12.2021	3.44.0	3.44.0
9.2	30.11.2021	3.42.2	3.42.2
9.1	14.10.2021	3.42.1	3.42.1
9.0	31.05.2021	3.42.0	: PoE ONT : ETH-
8.0	28.04.2021	3.40.2	3.40.2
7.0	10.12.2020	3.40.0	3.40.0
6.0	20.05.2020	3.38.2	3.38.2
5.0	07.02.2020	3.38.1	3.38.1
4.0	13.12.2019	3.38.0	3.38.0 : • service utilization; • service-utilization; • service-utilization; • unknown multicast forwarding.

3.0	08.10.2019	3.36.2	3.36.2
2.0	25.02.2019	3.36.0	: <ul style="list-style-type: none"> • Channel Group; • address-table; • multicast loopback; • downstream-ber .
1.0	03.07.2018	3.32.0	