63- L2UNI Configuration Commands

63.1 L2UNI Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "L2UNI Configuration Commands".

Command Tree

----configure
   ----l2uni
      ----ont
         ----performance-monitor
            - (if-index)
            - [no] pm-collect
            - [no] pm-collect-64bit
         ----pm-collect-ext
            - [no] pm-collect
            - [no] p-bits
            - [no] vlan-id
      ----tc-layer-threshold
         - (if-index)
         - [no] dropped-frames-up
         - [no] dropped-frames-dn

63.2 L2 UNI ONT Performance Monitor Configuration Command

Command Description

This command sets the PM Mode of ONTL2UNI.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure l2uni ont performance-monitor (if-index) [no pm-collect | pm-collect <Gpon::OntPmTcaCollect>] [no pm-collect-64bit | pm-collect-64bit <Gpon::Ont64bitPmCollect>]

Command Parameters

Table 63.2-1 "L2 UNI ONT Performance Monitor Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(if-index)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> | ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId> - the ONT identifier	interface index of the port

Resource Identifier	Type	Description
	Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> - Gpon Ont Port - range: [1...16]	

Table 63.2-2 "L2 UNI ONT Performance Monitor Configuration Command" Command Parameters

Parameter	Type	Description
[no] pm-collect	Parameter type: <Gpon::OntPmTcaCollect> Format: (none | pm-enable | tca-enable) Possible values: - none : no pm - pm-enable : enable pm - tca-enable : enable tca	*optional parameter with default value: "none"* indicates whether Ethernet Traffic Performance Monitors should be collected for this Ethernet Port.
[no] pm-collect-64bit	Parameter type: <Gpon::Ont64bitPmCollect> Format: (none | pm-enable) Possible values: - none : no pm - pm-enable : enable pm	*optional parameter with default value: "none"* indicates whether Ethernet Traffic Performance Monitors should be collected for this Ethernet Port.

63.3 L2 UNI ONT Performance Monitor Extended 32bit Configuration Command

Command Description

This command sets the PM EXT parameters.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure l2uni ont performance-monitor (if-index) pm-collect-ext [no pm-collect | pm-collect <Gpon::OntPmCollect>] [no p-bits | p-bits <SignedInteger>] [no vlan-id | vlan-id <Vlan::VlanIndexOrZero>]

Command Parameters

Table 63.3-1 "L2 UNI ONT Performance Monitor Extended 32bit Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(if-index)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> | ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier Field type <Ng2::OntId>	interface index of the port

Resource Identifier	Type	Description
	- the ONT identifier Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> - Gpon Ont Port - range: [1...16]	

Table 63.3-2 "L2 UNI ONT Performance Monitor Extended 32bit Configuration Command"
Command Parameters

Parameter	Type	Description
[no] pm-collect	Parameter type: <Gpon::OntPmCollect> Format: (enable | disable) Possible values: - enable : enable PM - disable : disable PM	*optional parameter with default value: "disable"* indicates whether enable this pm collect for this Ethernet Port
[no] p-bits	Parameter type: <SignedInteger> Format: - a signed integer	*optional parameter with default value: 0xFF* indicates the P bits of the TCI field are used to filter the PM data collected or not\n 0xFF: not used\n 0-7: p-bit used to filter data
[no] vlan-id	Parameter type: <Vlan::VlanIndexOrZero> Format: - vlan id - range: [0...4092]	*optional parameter with default value: 0* indicates the vlan-id bits of the TCI field are used to filter the PM data collected\n 0: not used\n Other value : this vlan-id used to filter data

63.4 TC-layer Performance Monitoring Counter Thresholds Configuration Command for ONTL2UNI

Command Description

This command allows the operator to enable configuration of performance Monitoring counter thresholds for ONTL2UNI.

User Level

The command can be accessed by operators with equipment privileges, and executed by operators with equipment privileges.

Command Syntax

The command has the following syntax:

> configure l2uni ont tc-layer-threshold (if-index) [no dropped-frames-up | dropped-frames-up <Gpon::TcaThresholdValue>] [no dropped-frames-dn | dropped-frames-dn <Gpon::TcaThresholdValue>]

Command Parameters

Table 63.4-1 "TC-layer Performance Monitoring Counter Thresholds Configuration Command for ONTL2UNI" Resource Parameters

Resource Identifier	Type	Description
(if-index)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId> | ng2 : <Ng2::ChannelGroup> / <Ng2::SubchannelGroup> / <Ng2::OntId> / <Gpon::OntSlotId> / <Gpon::OntPortId>) Possible values: - ng2 : ngpon2 style identification Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PonId> - the PON identifier Field type <Ng2::ChannelGroup> - channel group number Field type <Ng2::SubchannelGroup> - subchannel group number Field type <Eqpt::OntId> - the ONT identifier	interface index of the port

Resource Identifier	Type	Description
	Field type <Ng2::OntId> - the ONT identifier Field type <Gpon::OntSlotId> - Gpon Ont Slot - range: [1...14] Field type <Gpon::OntPortId> - Gpon Ont Port - range: [1...16]	

Table 63.4-2 "TC-layer Performance Monitoring Counter Thresholds Configuration Command for ONTL2UNI" Command Parameters

Parameter	Type	Description
[no] dropped-frames-up	Parameter type: <Gpon::TcaThresholdValue> Format: (disabled | <Gpon::TcaThresholdValue>) Possible values: - disabled : threshold is disabled Field type <Gpon::TcaThresholdValue> - tc-layer tca threshold value (4294967295=disabled) - range: [0...4294967294,4294967295]	*optional parameter with default value: "disabled"* tca setting for dropped frames in upstream
[no] dropped-frames-dn	Parameter type: <Gpon::TcaThresholdValue> Format: (disabled | <Gpon::TcaThresholdValue>) Possible values: - disabled : threshold is disabled Field type <Gpon::TcaThresholdValue> - tc-layer tca threshold value (4294967295=disabled) - range: [0...4294967294,4294967295]	*optional parameter with default value: "disabled"* tca setting for dropped frames in downstream