62- ONT HPNA Configuration Commands

62.1 ONT HPNA Configuration Command Tree

Description

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

Command Tree

----**configure**
   ----**hpna**
      ----**ont**
         - **(uni-idx)**
         - cust-info
         - [no] pwr-override
         - [no] master-mode
         - [no] admin-state
         ----**X port**
            - [no] pm-collect
         ----**l2**
            - [no] pm
            - [no] tca
            - [no] dropped-frames-up
            - [no] dropped-frames-dn

62.2 ONT HPNA Configuration Command

Command Description

This command allows the operator to modify ONT HPNA port provisioning data.

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 hpna ont (uni-idx) [cust-info <Gpon::CustomerInfo>] [no pwr-override | pwr-override <Gpon::OntPwrShedState>] [no master-mode | master-mode <Gpon::HpnaMasterSelect>] [no admin-state | admin-state <Gpon::ItfAdminStatus>]

Command Parameters

Table 62.2-1 "ONT HPNA Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	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 Field type <Gpon::OntSlotId> - Gpon Ont Slot	identification of the hpna interface index

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

Table 62.2-2 "ONT HPNA Configuration Command" Command Parameters

Parameter	Type	Description
cust-info	Parameter type: <Gpon::CustomerInfo> Format: - char string - length: x<=80	*optional parameter* information for HPNA port
[no] pwr-override	Parameter type: <Gpon::OntPwrShedState> Format: (enabled | disabled) Possible values: - enabled : enabled - disabled : disabled	*optional parameter with default value: "disabled"* power settings to be included for data class power shedding
[no] master-mode	Parameter type: <Gpon::HpnaMasterSelect> Format: (default | auto | forced) Possible values: - default : default master mode - auto : auto master mode - forced : forced master mode	*optional parameter with default value: "default"* master mode of HPNA mac
[no] admin-state	Parameter type: <Gpon::ItfAdminStatus> Format: (up | down) Possible values: - up : set the admin-state to up - down : set the admin-state to down	*optional parameter with default value: "down"* *The parameter is not visible during creation.* administrative status of the interface

Command Output

Table 62.2-3 "ONT HPNA Configuration Command" Display parameters

Specific Information		
name	Type	Description
base-mac-address	Parameter type: <Ces::DestMacAddress> - a mac-address (example : 01:02:03:04:05:06) (L2 only) - length: 6	base mac address *This element is always shown.*
port-configuration	Parameter type: <Gpon::HpnaConfigStatus> (unknown | coax_12_28 | phone_12_28) Possible values: - unknown : cant reach the ont or the ont didnt return a response to the query - coax_12_28 : not supported - phone_12_28 : not supported	configuration status of hpna uni *This element is always shown.*
oper-state	Parameter type: <Itf::ifOperStatus> (up | down | testing	the operational state of the interface *This element is always shown.*

name	Type	Description
	| unknown | dormant | no-value) Possible values: - up : up,traffic can pass - down : down,no traffic is passing - testing : testing,no traffic is passing - unknown : unknown - dormant : dormant,no traffic is passing - no-value : no entry in the table	

62.3 ONT HPNA L2 Port Performance Monitoring Configuration Command

Command Description

Obsolete command, replaced by configure hpna ont l2 pm.

This command allows the operator to enable or disable PM on the HPNA layer 2 ports of the ONT.

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 hpna ont (uni-idx) port [no pm-collect | pm-collect <Gpon::OntPmCollect>]

Obsolete command, replaced by configure hpna ont l2 pm.

Command Parameters

Table 62.3-1 "ONT HPNA L2 Port Performance Monitoring Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	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>	identification of the hpna interface index

Resource Identifier	Type	Description
	- the ONT identifier 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 62.3-2 "ONT HPNA L2 Port Performance Monitoring 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"* hpna port layer 2 performance monitoring

62.4 Hpna ONT Uni Layer 2 Configuration Command

Command Description

This command allows the operator to provision performance monitoring and threshold crossing alerts for an Hpna ONT layer 2 UNI.

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 hpna ont (uni-idx) l2 [no pm | pm <Gpon::OntPmCollect>] [no tca | tca <Gpon::OntPmCollect>] [no dropped-frames-up | dropped-frames-up <Gpon::ErrorCountThreshold>] [no dropped-frames-dn | dropped-frames-dn <Gpon::ErrorCountThreshold>]

Command Parameters

Table 62.4-1 "Hpna ONT Uni Layer 2 Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(uni-idx)	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	identification of the hpna interface index

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 62.4-2 "Hpna ONT Uni Layer 2 Configuration Command" Command Parameters

Parameter	Type	Description
[no] pm	Parameter type: <Gpon::OntPmCollect> Format: (enable | disable) Possible values: - enable : enable PM - disable : disable PM	*optional parameter with default value: "disable"* l2 pm collection
[no] tca	Parameter type: <Gpon::OntPmCollect> Format: (enable | disable) Possible values: - enable : enable PM - disable : disable PM	*optional parameter with default value: "disable"* l2 threshold crossing alerts
[no] dropped-frames-up	Parameter type: <Gpon::ErrorCountThreshold> Format: (disable | <Gpon::ErrorCountThreshold>) Possible values: - disable : disable tca Field type <Gpon::ErrorCountThreshold> - error count threshold (0-4294967295) - range: [0...4294967295]	*optional parameter with default value: "disable"* incoming (upstream) dropped frames threshold
[no] dropped-frames-dn	Parameter type: <Gpon::ErrorCountThreshold> Format: (disable | <Gpon::ErrorCountThreshold>) Possible values: - disable : disable tca Field type <Gpon::ErrorCountThreshold> - error count threshold (0-4294967295) - range: [0...4294967295]	*optional parameter with default value: "disable"* outgoing (downstream) dropped frames threshold

Command Output

Table 62.4-3 "Hpna ONT Uni Layer 2 Configuration Command" Display parameters

Specific Information		
name	**Type**	**Description**
pm-intervals	Parameter type: <SignedInteger> - a signed integer	number of rows currently present in the gponEtherTrafficIntervalTable *This element is only shown in detail mode.*