

# 218- Ethernet Management Commands

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## 218.1 Ethernet Management Command Tree

### Description

This chapter gives an overview of nodes that are handled by "Ethernet Management Commands".

### Command Tree

```
----admin
  ----ethernet
    ----statistics
      - (stats-index)
      - (clear-stats)
    ----eont
      ----port
        - (uni-index)
        - (reautodetect)
      ----port
        - (uni-idx)
        - [no] loopback
        - [no] loopback-timeout
```

## 218.2 Ethernet Management Command

### Command Description

*This command allows the operator to manage the node: configure the ethernet parameters*

### User Level

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

### Command Syntax

The command has the following syntax:

> admin ethernet

## 218.3 Ethernet Statistics Commands

### Command Description

*This command allows the operator to reset the Ethernet counters.*

### User Level

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

### Command Syntax

The command has the following syntax:

> admin ethernet statistics (stats-index) (clear-stats)

### Command Parameters

**Table 218.3-1 "Ethernet Statistics Commands" Resource Parameters**

Resource Identifier	Type	Description
(stats-index)	Format: ( <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId>   lt : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId>   lt-link : <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::LtBackPIPortId> ) Possible values: - lt : lt-slot - lt-link : lt-slot-port 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::PortId> - the port number Field type <Eqpt::LtBackPIPortId> - the lt backplane port number	index of the interface to an ethernet-like medium

**Table 218.3-2 "Ethernet Statistics Commands" Command Parameters**

Parameter	Type	Description
(clear-stats)	Format: clear-stats Possible values: - clear-stats : clear all Ethernet counters	<i>optional parameter</i> clear the ethernet counters

## 218.4 Epon Ont Ethernet Reautodetect Command

### Command Description

*This command allows the operator to restart auto negotiation of an Ethernet port.*

### 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:

```
> admin ethernet eont port (uni-index) [ (reautodetect) ]
```

### Command Parameters

**Table 218.4-1 "Epon Ont Ethernet Reautodetect Command" Resource Parameters**

Resource Identifier	Type	Description
(uni-index)	Format: <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PonId> / <Eqpt::OntId> / <Epon::EontSlot> / <Epon::EontPort> 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 <Eqpt::OntId> - the ONT identifier Field type <Epon::EontSlot> - Epon Ont Slot - range: [1...16] Field type <Epon::EontPort> - Epon Ont Port - range: [1...64]	ONT UNI interface

**Table 218.4-2 "Epon Ont Ethernet Reautodetect Command" Command Parameters**

Parameter	Type	Description
(reautodetect)	Format: reautodetect Possible values: - reautodetect : restart autodetect	<i>optional parameter</i> restart autodetect

## 218.5 Gpon Ont Ethernet loopback Command

### Command Description

*This command allows the operator to enable/disable loopback mode of an Ethernet port, and set timeout for loopback.*

### 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:

```
> admin ethernet port (uni-idx) [ [ no ] loopback ] [ no loopback-timeout | loopback-timeout
<Gpon::loopbackTimeout> ]
```

### Command Parameters

**Table 218.5-1 "Gpon Ont Ethernet loopback 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 uni interface index

Resource Identifier	Type	Description
	<ul style="list-style-type: none"> <li>- range: [1...14]</li> <li>Field type &lt;Gpon::OntPortId&gt;</li> <li>- Gpon Ont Port</li> <li>- range: [1...16]</li> </ul>	

Table 218.5-2 "Gpon Ont Ethernet loopback Command" Command Parameters

Parameter	Type	Description
[no] loopback	Parameter type: boolean	<i>optional parameter</i> enable UNI port loopback mode
[no] loopback-timeout	Parameter type: <Gpon::loopbackTimeout> Format: <ul style="list-style-type: none"> <li>- loopback time, zero means no-timeout for loopback</li> <li>- unit: sec</li> <li>- range: [0...43200]</li> </ul>	<i>optional parameter with default value: 1800</i> the actual loopback timeout, value in seconds