Simply Better Connections

ATEN PDU Base MIB Reference Guide

PE-ATB & PG Series eco PDU

About this Guide

This guide provides documentation and reference for the ATEN-PRODUCTS-MIB, which defines private MIB objects implemented under the ATEN enterprise branch.

The purpose of this guide is to help administrators and engineers effectively use the MIB in managing ATEN Power Distribution Units (PDUs) and related Over-IP devices through SNMP-based platforms.

An overview of the information found in the manual is provided below.

Chapter 1, *Module Identity* introduces the module identity and provides an overview of the ATEN-PRODUCTS-MIB.

Chapter 2, *Management Objects* defines objects for configuring and monitoring the overall PDU operation.

Chapter 3, *Energy Objects* provides objects for monitoring and reporting power consumption at the device, bank, outlet, line, and inlet levels.

Chapter 4, *Environment Objects* describes objects for monitoring and configuring environmental sensors such as temperature, humidity, and dry contacts.

Chapter 5, *Network Objects* defines objects for configuring and monitoring network parameters of the PDU.

Chapter 6, *Event Objects* details objects for logging and tracking PDU operational events.

Chapter 7, *Trap Notification Objects* provides objects for configuring trap receivers and reviewing trap notification alarms.

Chapter 8, *Device Lock Objects* introduces objects for securing device access through community strings and password control.

Chapter 9, *Product Specific Nodes* covers product-specific nodes, providing OIDs that apply to particular device models.

Intended Audience

This guide is intended for:

- Network and system administrators who need to monitor or control ATEN PDUs via SNMP.
- Developers and engineers integrating ATEN devices into third-party SNMP-based management systems.

By following this guide, readers can locate the relevant OIDs, understand their function, and apply them in day-to-day monitoring, troubleshooting, and automation tasks.

Note:

- Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit or any connected devices.
- This product may be updated, with features and functions added, improved or removed since the release of this manual. For an up-to-date user manual, visit http://www.aten.com/global/en/

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Conventions

This manual uses the following conventions:

`Monospaced`	Indicates text that you should key in.
[ ]	Indicates keys you should press. For example, [Enter] means to press the **Enter** key. If keys need to be chorded, they appear together in the same bracket with a plus sign between them: [Ctrl+Alt].
1.	Numbered lists represent procedures with sequential steps.
¨	Bullet lists provide information, but do not involve sequential steps.
>	Indicates selecting the option (on a menu or dialog box, for example), that comes next. For example, Start > Run means to open the *Start* menu, and then select *Run*.
⚠	Indicates critical information.

Chapter 1
Module Identity

Overview

The ATEN-PRODUCTS-MIB defines the private MIB objects implemented under the ATEN enterprise branch.
This MIB provides management information for ATEN Power Distribution Units (PDU) and related Over-IP devices.
The structure is organized into functional groups, including system management, energy monitoring, environment sensing, network configuration, and event notification.
By using this MIB, administrators can query device status, configure operational parameters, and integrate ATEN devices into standard SNMP-based management platforms.

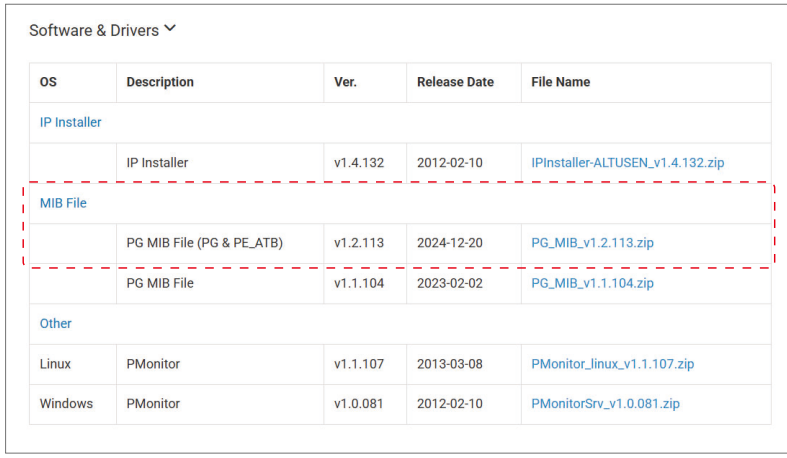
- **Version:** v1.2.113 (PE-ATB & PG)
- **Supported Models**

PG Series	PG95230, PG95330, PG96230, PG96330, PG98230, PG98330
PE Series	PE5340S, PE5340SL, PE5220S, PE5324, PE5324L, PE5324TA, PE6324, PE6324L, PE6108, PE6208, PE8216, PE8324, PE8108, PE8208, PE6108AV, PE6208AV

Downloading MIB Files

To download the latest MIB files:

1. Go to ATEN's website, navigate to the product page, and click the **Support and Downloads** tab.
2. Scroll down to locate the **MIB File** section.



Software & Drivers

OS	Description	Ver.	Release Date	File Name
IP Installer				
	IP Installer	v1.4.132	2012-02-10	IPInstaller-ALTUSEN_v1.4.132.zip
MIB File				
	PG MIB File (PG & PE_ATB)	v1.2.113	2024-12-20	PG_MIB_v1.2.113.zip
	PG MIB File	v1.1.104	2023-02-02	PG_MIB_v1.1.104.zip
Other				
Linux	PMonitor	v1.1.107	2013-03-08	PMonitor_linux_v1.1.107.zip
Windows	PMonitor	v1.0.081	2012-02-10	PMonitorSrv_v1.0.081.zip

3. Click to download the MIB file.

MIB Tree Structure

ATEN-PRODUCTS-MIB

- Module Name: `ATEN-PRODUCTS-MIB`

OID Root	`1.3.6.1.4.1.21317`
Organization	ATEN International Co., Ltd.
Contact Info	ATEN Technical Support
Description	This module defines the private MIB objects for ATEN products, including Power Distribution Units (PDU) and related Over-IP devices. The MIB structure is organized under the ATEN enterprise branch of the SNMP MIB tree.

Subtree Structure

- **atenProducts** (`1.3.6.1.4.1.21317.1`)
  Root node for all ATEN products.
- **overip** (`1.3.6.1.4.1.21317.1.3`)
  Subtree for ATEN Over-IP devices.
  - poweroverip (`1.3.6.1.4.1.21317.1.3.2`)
    Defines MIB objects for ATEN Power Distribution Units (PDU).
    - **pn9108** (`1.3.6.1.4.1.21317.1.3.2.1`)
      Node for PN9108 series.
    - **pe** (`1.3.6.1.4.1.21317.1.3.2.2`)
      Node for PE series.
    - **pe2** (`1.3.6.1.4.1.21317.1.3.2.3`)
      Node for PE2 series (latest generation).

OID Format

In this document, all Object Identifiers (OIDs) are presented in their numeric form without a leading period.

For example, the OID may be displayed by some SNMP tools as:

.1.3.6.1.4.1.21317.1.3.2.3.1.2.1.2

In this document, it is written as:

1.3.6.1.4.1.21317.1.3.2.3.1.2.1.2

Both notations are equivalent. The leading period is omitted for consistency and readability.

Object Indexing

SNMP defines two types of objects, scalar objects and tabular objects, and their OID usage differs:

Scalar Objects

Scalar objects represent a single instance of information. By SNMP convention, their OIDs must be appended with a trailing **.0** to identify the instance.

For example, `sysName` is defined as:
1.3.6.1.2.1.1.5

The actual instance is:

1.3.6.1.2.1.1.5.0

- **Scalar OID Example**

Example Type	Object	OID / Value
Definition	`sysName`	`1.3.6.1.2.1.1.5`
Instance	`sysName.0`	`"Server-01"`

Tabular Object

Tabular objects represent a set of entries, each identified by an index. The OID must be followed by the index value.

For example, `ifDescr` is defined as:

`1.3.6.1.2.1.2.2.1.2`

Its instances are:

`1.3.6.1.2.1.2.2.1.2.1` (interface 1)

`1.3.6.1.2.1.2.2.1.2.2` (interface 2)

- **Tabular OID Example**

Example Type	Object	OID / Value
Definition	`ifDescr`	`1.3.6.1.2.1.2.2.1.2`
Instance	`ifDescr.1`	`"Interface 1"`
	`ifDescr.2`	`"Interface 2"`

If the required suffix (**`.0`** for scalar or index for tables) is not appended, SNMP agents will typically return an error (e.g., No Such Instance).

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Chapter 2
Managed Objects

Overview

The Management subtree of the ATEN-PE2 MIB defines objects related to station configuration and monitoring, as well as overall PDU operation. In SNMP terminology (per RFCs), a managed object is any object defined in a MIB module that can be accessed using SNMP.

This section includes counters, status tables, and control tables that allow administrators to identify stations, query device properties, retrieve operational states, and perform control actions (e.g., turning outlets on or off). Together, these objects provide the foundation for centralized configuration, monitoring, and power management.

- `management`

OID	`1.3.6.1.4.1.21317.1.3.2.3.1`
Access	Not-accessible
Description	Root node for PDU management objects, including subtrees such as `staCount`, `staStatusTable`, `staControlTable`, `rackConfigTable`, and `staState`.

staCount

- `staCount`

OID	`1.3.6.1.4.1.21317.1.3.2.3.1.1`
Syntax	INTEGER (1..16)
Access	Read-only
Description	Indicates the number of available stations, including master and slave stations.

staStatusTable

- staStatusTable

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2
Syntax	SEQUENCE OF staStatusEntry
Access	Not-accessible
Description	Contains detailed status information for each station.

staStatusEntry

Each entry provides attributes of a specific station, indexed by staId.

- staStatusEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1
Syntax	StaStatusEntry
Access	Not-accessible
Indexes	staId Index identifying each station
Description	Represents a single row of the staStatusTable, containing attributes of a specific station.

staId

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.1
Syntax	INTEGER (1..16)
Access	Not-accessible
Description	Station ID

staStatusFWVer

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.2
Syntax	DisplayString
Access	Read-only
Description	Firmware version of the station. If not available, returns station N/A.

staStatusModelName

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.3
Syntax	DisplayString
Access	Read-only
Description	Firmware version of the station. If not available, returns station N/A.

staStatusSwitchable

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.4
Syntax	INTEGER {notAvailable(-3000000), no(1), yes(2), mix(3)}
Access	Read-only
Description	Indicates whether the station outlets are switchable.

staStatusPerPortReading

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.5
Syntax	INTEGER {staNotAvailable(-3000000), no(1), yes(2) }
Access	Read-only
Description	Indicates whether per-port reading is supported.

staStatusBankCount

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.6
Syntax	INTEGER
Access	Read-only
Description	Number of banks in the station. Returns -3000000 if not available.

staStatusOutletCount

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.7
Syntax	INTEGER
Access	Read-only
Description	Number of outlets in the station. Returns -3000000 if not available.

staStatusSensorCount

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.8
Syntax	INTEGER
Access	Read-only
Description	Number of connected sensors. Returns -3000000 if not available.

staStatusHasAutoPing

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.9
Syntax	INTEGER {staNotAvailable(-3000000), no(1), yes(2) }
Access	Read-only
Description	Indicates whether Auto Ping function is supported.

staStatusInletCount

OID	1.3.6.1.4.1.21317.1.3.2.3.1.2.1.10
Syntax	INTEGER
Access	Read-only
Description	Number of inlets in the station. Returns -3000000 if not available.

staControlTable

- staControlTable

OID	1.3.6.1.4.1.21317.1.3.2.3.1.3
Syntax	SEQUENCE OF StaControlEntry
Access	Not-accessible
Description	Contains control objects for station management. Each entry defines actions that can be applied to a station.

staControlEntry

Each entry provides attributes of a specific station, indexed by staId.

- staControlEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.1.3.1
Syntax	StaControlEntry
Access	Not-accessible
Indexes	staId Index identifying each station
Description	Represents a single row of the staControlTable, containing control attributes of a specific station.

staControlReboot

OID	1.3.6.1.4.1.21317.1.3.2.3.1.3.1
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2), not-support(4) }
Access	Read-write
Description	Reboots the station. If the station is not available, the object returns a value of −3000000.

rackConfigTable

- `rackConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.1.4`
Syntax	SEQUENCE OF rackConfigEntry
Access	Not-accessible
Description	Contains configuration objects for station rack information. Each entry stores rack identification details.

rackConfigEntry

Each entry provides configuration attributes of a specific station's rack, indexed by `staId`.

- `rackConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.1.4.1`
Syntax	RackConfigEntry
Access	Not-accessible
Indexes	`staId` Index identifying each station
Description	Represents a single row of the rackConfigTable, containing configuration attributes of a specific station's rack.

rackConfigName

OID	`1.3.6.1.4.1.21317.1.3.2.3.1.4.1.1`
Syntax	DisplayString (1–32)
Access	Read-write
Description	Displays or sets the station's rack name. If the station is not available, it returns `station N/A`.

rackConfigRow

OID	1.3.6.1.4.1.21317.1.3.2.3.1.4.1.2
Syntax	INTEGER (1..26)
Access	Read-write
Description	Displays or sets the station's rack row number. If the station is not available, it returns –3000000.

rackConfigColumn

OID	1.3.6.1.4.1.21317.1.3.2.3.1.4.1.3
Syntax	INTEGER (1..26)
Access	Read-write
Description	Displays or sets the station's rack column number. If the station is not available, it returns –3000000.

staState

- staState

OID	1.3.6.1.4.1.21317.1.3.2.3.1.5
Syntax	DisplayString
Access	Read-only
Description	Displays the cascade state of all stations. The return string length equals the maximum number of supported stations.

Note: If a station is alive, the character at its position is **1**; otherwise, it is **0**. The first character is always **1** as it belongs to the Master station.

Chapter 3
Energy Objects

Overview

The Energy subtree of the ATEN-PE2 MIB defines objects for monitoring and configuring power-related parameters of the PDU.
This section includes device status tables, configuration tables, and control entries that describe rated specifications, wiring types, and other energy-related information. It also provides objects and tables for device, bank, outlet, line, and inlet levels, enabling administrators to collect energy usage data, track consumption patterns, and optimize power efficiency. Together, these objects form the foundation for accurate monitoring, reporting, and management of PDU energy usage.

- `energy`

OID	`1.3.6.1.4.1.21317.1.3.2.3.2`
Access	Not-accessible
Description	Root node for energy monitoring objects, including subtrees such as device, bank, outlet, line, and inlet.

devStatusTable

- `devStatusTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.2.1.1`
Syntax	SEQUENCE OF devStatusEntry
Access	Not-accessible
Description	Contains the status information of the device.

devStatusEntry

Each entry provides attributes of a specific device, indexed by device parameters.

- devStatusEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.1.1
Syntax	RDevStatusEntry
Access	Not-accessible
Indexes	staId Index identifying the station that owns this device.
Description	Represents a single row of the devStatusTable, containing attributes and status information of a specific device.

devStatusRatedCur

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.1.1.1
Syntax	INTEGER
Access	Read-only
Description	Device input current value, unit: (0.1 mA). ◆ If the station does not support this OID, the return value is 0. ◆ If the station is not available, the return value is −3000000.

devStatusRatedVol

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.1.1.2
Syntax	INTEGER
Access	Read-only
Description	Device input voltage value, unit: (0.1 mV). ◆ If the station does not support this OID, the return value is 0. If the station is not available, the return value is −3000000.

devStatusRatedPower

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.1.1.3
Syntax	INTEGER
Access	Read-only
Description	Device rated power capacity value, unit: (0.1 mVA). ◆ If the station does not support this OID, the return value is 0. If the station is not available, the return value is −3000000.

devStatusWiredType

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.1.1.4
Syntax	INTEGER
Access	Read-only
Description	Device circuit wired type. Example: ◆ 1 = 1 phase ◆ 2 = 3-phase wye ◆ 3 = 3-phase delta ◆ If the station does not support this OID, the return value is 0. ◆ If the station is not available, the return value is −3000000.

devConfigTable

- devConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2
Syntax	SEQUENCE OF DevConfigEntry
Access	Not-accessible
Description	Contains device configuration parameters, including device naming, scheduled power-on, outlet reboot behavior, and threshold settings for current, voltage, power, power dissipation, and current imbalance.

devConfigEntry

Each entry provides attributes of a specific device, indexed by device parameters.

- devConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1
Syntax	DevConfigEntry
Access	Not-accessible
Indexes	staId
Description	Represents a single row of the devConfigTable, containing configuration attributes of the device.

devConfigDevName

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.1
Syntax	DisplayString
Access	Read-write
Description	Specifies the device name. ◆ String length: 1–39 characters. ◆ If the station is not available, it returns station N/A. ◆ Inputting an empty string sets this object to NULL.

devConfigPowerOnScheduleEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.2
Syntax	INTEGER { staNotAvailable(-300000), no-delaytime(1), delaytime(2), not-support(3) }
Access	Read-write
Description	Specifies whether the device powers on according to a schedule. ◆ Values: 0 = Not available, 1 = No delay, 2 = Delay time, 3 = Not supported. ◆ If the station is not available, it returns –3000000.

devConfigOutletsSequentialRebootEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.3
Syntax	INTEGER { staNotAvailable(-300000), no(1), yes(2), not-support(3) }
Access	Read-write
Description	Enables or disables sequential reboot for all outlet ports. ◆ Values: 0 = Not available, 1 = Disabled, 2 = Enabled, 3 = Not supported. ◆ If the station is not available, it returns –3000000.

devConfigMinCurThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.4
Syntax	INTEGER
Access	Read-write
Description	Specifies the minimum electric current measurement threshold. ◆ Range: 0.0–32.0 (unit: 0.1 A). ◆ The minimum threshold must be smaller than the maximum threshold. ◆ If unsupported, returns –2000000. ◆ If the station is not available, it returns –3000000.

devConfigMaxCurThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.5
Syntax	INTEGER
Access	Read-write
Description	Specifies the maximum current threshold. ◆ Range: 0.0–32.0 (unit: 0.1 A). ◆ The maximum threshold must be larger than the minimum threshold. ◆ If unsupported, returns –2000000. ◆ If the station is not available, it returns –3000000.

devConfigMinVolThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.6
Syntax	INTEGER (-3000) | 900..2600
Access	Read-write
Description	Specifies the minimum voltage threshold. ◆ Range: 90.0–260.0 (unit: 0.1 V). ◆ The minimum threshold must be smaller than the maximum threshold. ◆ If the threshold is not set, it returns value –3000. ◆ If unsupported, returns –2000000. ◆ If the station is not available, it returns –3000000.

devConfigMaxVolThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.7
Syntax	INTEGER (-3000) | 900..2600
Access	Read-write
Description	Specifies the maximum voltage threshold. ◆ Range: 90.0–260.0 (unit: 0.1 V). ◆ The maximum threshold must be larger than the minimum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the station is not available, it returns −3000000.

devConfigMinPowerThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.8
Syntax	INTEGER (-3000) | 0..999999
Access	Read-write
Description	Specifies the minimum power threshold. ◆ Range: 0.0–9999.9 (unit: 0.1W). ◆ The maximum threshold must be greater than the minimum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the device is not available, it returns −3000000.

devConfigMaxPowerThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.9
Syntax	NTEGER (-3000) | 0..999999
Access	Read-write
Description	Specifies the maximum power threshold. ◆ Range: 0.0–9999.9 (unit: 0.1W). ◆ The maximum threshold must be greater than the minimum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the device is not available, it returns −3000000.

devConfigMaxPDThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.10
Syntax	INTEGER (-3000) | 0..999990
Access	Read-write
Description	Specifies the maximum power dissipation threshold. ◆ Range: 0.0–9999.9 (unit: 0.1W). ◆ The maximum threshold must be greater than the minimum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the device is not available, it returns −3000000.

devConfigMinUnbalCurThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.11
Syntax	INTEGER (-3000) | 0..2000
Access	Read-write
Description	Specifies the minimum current imbalance threshold. ◆ Range: 0.0–200.0 (unit: 0.1A). ◆ The minimum threshold must be smaller than the maximum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the device is not available, it returns −3000000.

devConfigMaxUnbalCurThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.2.1.12
Syntax	INTEGER (-3000) | 0..2000
Access	Read-write
Description	Specifies the maximum current imbalance threshold. ◆ Range: 0.0–200.0 (unit: 0.1A). ◆ The maximum threshold must be greater than the minimum threshold. ◆ If the threshold is not set, it returns value −3000. ◆ If unsupported, returns −2000000. ◆ If the device is not available, it returns −3000000.

devControlTable

- devControlTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.3
Syntax	SEQUENCE OF DevConfigEntry
Access	Not-accessible
Description	Contains device control objects, including per-outlet operations such as power on, power off, and reboot.

devControlEntry

Each entry provides control attributes of a specific device, indexed by device parameters.

- devConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.3.1
Syntax	DevConfigEntry
Access	Not-accessible
Indexes	staId
Description	Represents a single row of the devControlTable, containing device control attributes.

devControlOperation

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.3.1.1
Syntax	INTEGER {staNotAvailable(-3000000), off(1), on(2), reboot(3), nostatus(4), not-support(5) }
Access	Read-write
Description	Performs outlet control operations for the device. ◆ Set off(1): Turns the outlet off. ◆ Set on(2): Turns the outlet on. ◆ Set reboot(3): Reboots the outlet. ◆ Get returns nostatus(4) if no status is available. ◆ If the station is unavailable, it returns –3000000.

devReadingTable

- devReadingTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4
Syntax	SEQUENCE OF DevReadingEntry
Access	Not-accessible
Description	Contains real-time device measurement data, including current, voltage, power, power dissipation, power factor, and current imbalance.

devReadingEntry

Each entry provides real-time measurement attributes of a specific device, indexed by device parameters.

- DevReadingEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1
Syntax	DevReadingEntry
Access	Not-accessible
Indexes	staId
Description	Represents a single row of the devReadingTable, containing real-time measurement attributes of the device.

devReadingCur

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.1
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's electric current value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns –2000000. ◆ If the station is not available, it returns –3000000.

devReadingVol

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.2
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's voltage value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns −2000000. ◆ If the station is not available, it returns−3000000.

devReadingCur

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.3
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's power value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns −2000000. ◆ If the station is not available, it returns−3000000.

devReadingPD

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.4
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's power dissipation value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns −2000000. ◆ If the station is not available, it returns−3000000.

devReadingPF

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.5
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's power factor value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns −2000000. ◆ If the station is not available, it returns−3000000.

devReadingUnbalCur

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.4.1.6
Syntax	INTEGER
Access	Read-only
Description	Indicates the device's electric current value. ◆ The returned value represents the actual measurement multiplied by 10,000. ◆ If the station does not support this OID, it returns −2000000. ◆ If the station is not available, it returns−3000000.

popConfigTable

- popConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5
Syntax	SEQUENCE OF PopConfigEntry
Access	Not-accessible
Description	Description | Contains POP configuration objects, including outlet POP mode, LIFO POP mode, priority POP mode, and outlet priority list settings.

popConfigEntry

Each entry provides POP configuration attributes of a specific device, indexed by device parameters.

- popConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1
Syntax	PopConfigEntry
Access	Not-accessible
Indexes	staId
Description	Represents a single row of the popConfigTable, containing POP configuration attributes.

popConfigOutletModeEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1.1
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2), not-support(3) }
Access	Read-write
Description	Displays or sets whether outlet POP mode is enabled. If the station is not available, it returns value −3000000.

popConfigLIFOModeEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1.2
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2), not-support(3) }
Access	Read-write
Description	Displays or sets whether LIFO POP mode is enabled. If the station is not available, it returns value −3000000.

popConfigPriorityModeEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1.3
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2), not-support(3) }
Access	Read-write
Description	Displays or sets whether priority POP mode is enabled. If the station is not available, it returns value −3000000.

popConfigPriorityList

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1.4
Syntax	INTEGER
Access	DisplayString
Description	Defines the outlet shutdown order in Priority POP mode. ◆ **Separators** ◆ Use a comma (**,**) to separate outlets within the same bank. ◆ Use a hash (**#**) to separate different banks. ◆ **Priority assignment** ◆ Each outlet is assigned a priority number. ◆ A smaller number means the outlet will power off earlier. ◆ Use **0** (N/A) if no priority is assigned to that outlet. ◆ **Rules** ◆ Outlets are listed in ascending order of their outlet index. ◆ All outlets in a bank must appear, even if some are set to N/A.

Example	◆ Suppose the device has two banks:
	◆ Bank 1 = outlets 1–16
	◆ Bank 2 = outlets 17–24
	◆ In this example, the following priorities are assigned:
	◆ Bank 1
	◆ Outlet 3: priority 5
	◆ Outlet 14: priority 2
	◆ Bank 2
	◆ Outlet 17: priority 7
	◆ Outlet 23: priority 6
	◆ Outlet 24: priority 8
	◆ All other outlets are set to **0** (N/A)
	◆ The configuration is written as follows:
	1. Bank 1 sequence (outlets 1–16):
	`0,0,5,0,0,0,0,0,0,0,0,0,2,0,0`
	2. Bank 2 sequence (outlets 17–24):
	`7,0,0,0,0,0,6,8`
	3. Combined format (Bank1#Bank2):
	`0,0,5,0,0,0,0,0,0,0,0,0,2,0,0#7,0,0,0,0,0,6,8`
	◆ If the station is not available, the value returns N/A.

capConfigTable

- capConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.6
Syntax	EQUENCE OF CapConfigEntry
Access	Not-accessible
Description	Contains CAP configuration objects for each outlet.

capConfigEntry

Each entry provides CAP configuration attributes of a specific outlet, indexed by device and outlet ID.

- capConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.6.1
Syntax	PopConfigEntry
Access	Not-accessible
Indexes	staId, outletId
Description	Represents a single row of the capConfigTable, containing CAP configuration attributes of the outlet.

capConfigModeEn

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.5.1.1
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2), not-support(3) }
Access	Read-write
Description	Enables or disables CAP mode for the outlet. Returns –3000000 if the station is unavailable.

capPriorityConfigTable

- capConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.7
Syntax	SEQUENCE OF CapPriorityConfigEntry
Access	Not-accessible
Description	CAP priority configuration table.

capPriorityConfigEntry

Represents a single row of the capPriorityConfigTable, containing CAP priority configuration information.

- capPriorityConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.7.1
Syntax	CapPriorityConfigEntry
Access	Not-accessible
Indexes	staId, outletId
Description	Single entry containing CAP priority configuration information.

capPriorityConfigOutlet

OID	1.3.6.1.4.1.21317.1.3.2.3.2.1.7.1.1
Syntax	INTEGER (0..99)
Access	Read-write
Description	Displays or sets the CAP priority of an outlet. ◆ **0**: This outlet does not support the OID. ◆ If the station is unavailable, it returns –3000000.

Chapter 4
Environment Objects

Overview

The Environment subtree of the ATEN-PE2 MIB defines objects for monitoring and configuring environmental sensors.
This section includes sensor configuration and reading tables that provide information such as temperature, humidity, and pressure thresholds. These objects enable precise monitoring of environmental conditions to ensure reliable PDU operation.

- `environment`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3`
Access	Not-accessible
Description	Root node for environmental monitoring objects, including subtrees such as sensor, dryContact, sensorHub, network, and event.

sensor

- `sensor`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1`
Syntax	N/A (branch)
Access	Not-accessible
Description	Collection of environmental sensor objects. This subtree includes `sensorConfigTable` (sensor configuration) and `sensorReadingTable` (real-time readings).

sensorConfigTable

- `sensorConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.3`
Syntax	SEQUENCE OF sensorConfigEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorAddr`
Description	Represents the configuration table for sensors. ◆ Provides access to sensor configuration data. ◆ Uses `port` and `address` as indexes to locate individual sensor configurations.

sensorConfigEntry

Each entry provides configuration attributes of a specific sensor, indexed by station ID, port, and address.

- `sensorConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1`
Syntax	SensorConfigEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorAddr`
Description	Represents a single entry of the sensorConfigTable, containing configuration information for one sensor.

`sensorPort`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.1`
Syntax	INTEGER (1..4)
Access	Not-accessible
Description	Indicates the port number of the sensor.

sensorAddr

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.2
Syntax	INTEGER (1..31)
Access	Not-accessible
Description	Indicates the sensor address.

sensorConfigMinTempThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.3
Syntax	INTEGER (-3000 | -200..600)
Access	Read-write
Description	Sets or displays the minimum temperature threshold for the sensor. ◆ Valid range: -20.0°C to 60.0°C (encoded as -2000 to 6000). ◆ The minimum value must be lower than the maximum temperature threshold. ◆ Special values: ◆ -3000: no value set ◆ -2000000: OID not supported ◆ -3000000: station not available

sensorConfigMaxTempThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.4
Syntax	INTEGER (-3000 | -200..600)
Access	Read-write
Description	Sets or displays the maximum temperature threshold for the sensor. ◆ Valid range: -20.0°C to 60.0°C (encoded as −2000 to 6000). ◆ The maximum value must be greater than the minimum threshold. ◆ Special values: ◆ −3000: no value set ◆ −2000000: OID not supported ◆ −3000000: station not available

sensorConfigMinHumThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.5
Syntax	INTEGER (-3000 | 100..950)
Access	Read-write
Description	Sets or displays the minimum humidity threshold for the sensor. ◆ Valid range: 10.0% to 95.0% RH (encoded as −100 to 950). ◆ The minimum value must be lower than the maximum threshold. ◆ Special values: ◆ −3000: no value set ◆ −2000000: OID not supported ◆ −3000000: station not available

sensorConfigMaxHumThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.6
Syntax	INTEGER (-3000 | 100..950)
Access	Read-write
Description	Sets or displays the maximum humidity threshold for the sensor. ◆ Valid range: 10.0% to 95.0% RH (encoded as -100 to 950). ◆ The maximum value must be greater than the minimum threshold. ◆ Special values: ◆ -3000: no value set ◆ -2000000: OID not supported ◆ -3000000: station not available

sensorConfigMinPressThresh

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.7
Syntax	INTEGER (-3000 | -2500..2500)
Access	Read-write
Description	Sets or displays the minimum pressure threshold for the sensor. ◆ Valid range: -250.0 to +250.0 (encoded as -2500 to 2500). ◆ The minimum value must be lower than the maximum temperature threshold. ◆ Special values: ◆ -3000: no value set ◆ -2000000: OID not supported ◆ -3000000: station not available

`sensorConfigMaxPressThresh`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.3.1.8`
Syntax	INTEGER (-3000 | -2500..2500)
Access	Read-write
Description	Sets or displays the maximum pressure threshold for the sensor. ◆ Valid range: -250.0 to +250.0 (encoded as `-2500` to `2500`). ◆ The maximum value must be greater than the minimum threshold. ◆ Special values: ◆ `-3000`: no value set ◆ `-2000000`: OID not supported ◆ `-3000000`: station not available

sensorReadingTable

- `sensorReadingTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.4`
Syntax	SEQUENCE OF sensorReadingEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorAddr`
Description	Represents the sensor reading table. ◆ Provides access to sensor configuration data. ◆ Uses `port` and `address` as indexes to locate individual sensor configurations.

sensorReadingEntry

Each entry represents a set of measurement attributes for a specific sensor, indexed by station ID, port, and address.

- `sensorReadingEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1`
Syntax	SensorConfigEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorAddr`
Description	Represents a single entry of the sensorReadingTable, containing measurement data for one sensor.

sensorReadingTemp

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1.1
Syntax	INTEGER
Access	Read-only
Description	Sensor's temperature value. ◆ The reported value is scaled by 1000 (e.g., 25.123°C is returned as 25123). ◆ Special values: ◆ −1000000: measurement not valid ◆ −2000000: OID not supported ◆ −3000000: station not available

sensorReadingHum

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1.2
Syntax	INTEGER
Access	Read-only
Description	Sensor's humidity value. ◆ The reported value is scaled by 1000 (e.g., 45.678% is returned as 45678). ◆ Special values: ◆ −1000000: measurement not valid ◆ −2000000: OID not supported ◆ −3000000: station not available

sensorReadingPress

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1.3
Syntax	INTEGER
Access	Read-only
Description	Sensor's pressure value. ◆ The reported value is scaled by 1000 (e.g., 1013.250 hPa is returned as 1013250). ◆ Special values: ◆ -1000000: measurement not valid ◆ -2000000: OID not supported ◆ -3000000: station not available

sensorModelType

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1.4
Syntax	INTEGER { temperature(1), humidity(2), pressure(4), staNotAvailable(-3000000) }
Access	Read-only
Description	Sensor's model type. ◆ Indicates which measurement(s) the sensor supports. ◆ Composite sensors return a combined code that represents the sum of supported types (for example, a sensor supporting both temperature and humidity reports 3, as 1 + 2). ◆ Special values: ◆ -1000000: measurement not valid ◆ -2000000: OID not supported ◆ -3000000: station not available

sensorModelName

OID	1.3.6.1.4.1.21317.1.3.2.3.3.1.4.1.5
Syntax	DisplayString
Access	Read-only
Description	Sensor's model name. ◆ Returned as string. ◆ If not available: returns N/A. ◆ If station not available: returns station N/A.

dryContact

- `dryContact`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2`
Syntax	N/A (branch)
Access	Not-accessible
Description	Collection of dry contact objects. This subtree includes: ◆ `dryContactStatusTable` (status information) ◆ `dryContactConfigTable` (configuration settings)

dryContactStatusTable

- `dryContactStatusTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.3`
Syntax	SEQUENCE OF dryContactStatusEntry
Access	Not-accessible
Indexes	`staId, dryContactPort, dryContactAddr`
Description	Represents the status table for dry contacts. ◆ Provides access to dry contact status information. ◆ Uses `port` and `address` as indexes to locate each dry contact.

dryContactStatusEntry

Each entry provides status attributes of a specific dry contact, indexed by station ID, port, and address.

- `sensorConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.3.1`
Syntax	dryContactStatusEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorAddr`
Description	Represents a single entry in the `dryContactStatusTable`, containing status information for one dry contact.

dryContactPort

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.3.1.1`
Syntax	INTEGER (1..4)
Access	Not-accessible
Description	Identifies the dry contact port number.

dryContactAddr

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.3.1.2`
Syntax	INTEGER (1..16)
Access	Not-accessible
Description	Identifies the dry contact address.

dryContactStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.3.2.3.1.3
Syntax	INTEGER { closed(0), open(1), not-attached(2), not-support(10), staNotAvailable(-3000000) }
Access	Read-only
Description	◆ Displays the dry contact status: ◆ closed(0): contact closed ◆ open(1): contact open ◆ not-attached(2): sensor not attached ◆ not-support(10): function not supported ◆ Special values: ◆ -3000000: station not available

dryContactConfigTable

◆ dryContactConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.3.2.4
Syntax	SEQUENCE OF dryContactConfigEntry
Access	Not-accessible
Indexes	staId, dryContactPort, dryContactAddr
Description	Represents the configuration table for dry contacts. ◆ Provides access to dry contact configuration data. ◆ Uses port and address as indexes to locate individual dry contact configurations.

dryContactConfigEntry

Each entry provides configuration attributes of a specific dry contact, indexed by station ID, port, and address.

- `dryContactConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.4.1`
Syntax	dryContactConfigEntry
Access	Not-accessible
Indexes	`staId, dryContactPort, dryContactAddr`
Description	Represents a single entry of the `dryContactConfigTable`, containing configuration information for one dry contact.

dryContactConfigType

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.4.1.1`
Syntax	INTEGER { staNotAvailable(-3000000), notInstalled(0), photo(1), inductiveProximity(2), reed(3), waterLeakage(4), smoke(5), notSupport(10) }
Access	Read-write
Description	Displays or sets the dry contact type. If the station is not available, it returns value `-3000000`.

dryContactModelName

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.2.4.1.2`
Syntax	INTEGER { temperature(1), humidity(2), pressure(4), staNotAvailable(-3000000) }
Access	DisplayString
Description	Dry contact's model name. If the sensor is not available, it returns `N/A`. If the station is not available, it returns `station N/A`.

dryContactDeviceName

OID	1.3.6.1.4.1.21317.1.3.2.3.3.2.4.1.3
Syntax	DisplayString
Access	Read-write
Description	Displays or sets the station's dry contact name. The name can contain 1 to 32 characters. If the station is not available, it returns `station N/A`. **Note:** Enter `/empty` as the input string to clear this setting (sets the object to NULL).

sensorHub

- `dryContact`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3`
Syntax	N/A (branch)
Access	Not-accessible
Description	Represents the collection of sensor hub objects. This subtree includes: ◆ `sensorHubInfoTable` (hub information) ◆ `sensorHubCount` (number of sensor hubs) ◆ `sensorHubTypeTable` (hub type definitions)

sensorHubInfoTable

- `sensorHubInfoTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.1`
Syntax	SEQUENCE OF sensorHubInfoEntry
Access	Not-accessible
Indexes	`staId, sensorPort`
Description	Represents the information table for sensor hubs. ◆ Provides access to hub-related information. ◆ Uses `station ID` and `port` as indexes.

sensorHubInfoEntry

Each entry provides information attributes of a specific sensor hub, indexed by station ID and port.

- `dryContactConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.1.1`
Syntax	sensorHubInfoEntry
Access	Not-accessible
Indexes	`staId, sensorPort`
Description	Represents a single entry of the `sensorHubInfoTable`, containing hub information for one sensor hub.

`sensorHubCount`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.1.1.1`
Syntax	INTEGER (1..8)
Access	Read-only
Description	Indicates the number of sensor hubs connected.

sensorHubTypeTable

- `sensorHubInfoTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.2`
Syntax	SEQUENCE OF sensorHubTypeEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorHubId`
Description	Represents the table containing sensor hub type information.

sensorHubTypeEntry

Each entry provides type attributes for a specific sensor hub, indexed by station ID, port, and hub ID.

- `dryContactConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.2.1`
Syntax	sensorHubTypeEntry
Access	Not-accessible
Indexes	`staId, sensorPort, sensorHubId`
Description	Represents a single entry of the `sensorHubTypeTable` containing hub type information.

`sensorHubId`

OID	`1.3.6.1.4.1.21317.1.3.2.3.3.3.2.1.1`
Syntax	INTEGER (1..8)
Access	Not-accessible
Description	Indicates the identification number of the sensor hub.

sensorHubModel

OID	1.3.6.1.4.1.21317.1.3.2.3.3.3.2.1.2
Syntax	DisplayString
Access	Read-only
Description	Displays the model name of the sensor hub. For example: EA1640.

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Chapter 5
Network Objects

Overview

The Network subtree of the ATEN-PE2 MIB defines objects for monitoring and configuring network-related parameters.
This section includes tables and entries that provide status information, HTTP configuration, and network configuration settings to ensure proper device communication and management.

network

- `network`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4`
Access	Not-accessible
Description	Root node for network-related objects. This subtree includes `netStatusTable`, `httpConfigTable`, and `netConfigTable`.

netStatusTable

- `netStatusTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.1`
Syntax	SEQUENCE OF netStatusEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents the status table for network-related information.

netStatusEntry

Each entry provides network status attributes of a specific station, indexed by station ID.

- `sensorConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.1.1`
Syntax	netStatusEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents a single entry of the `netStatusTable`, containing network status information for one station.

`netStatusMAC`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.1.1.1`
Syntax	MacAddress (OCTET STRING, size 6)
Access	Read-only
Description	Displays the station MAC address in hexadecimal format (length 12). ◆ Hint: The value is represented in hex format, corresponding to the standard MAC address display (e.g., `00-11-22-33-44-55`). ◆ If the device does not support this OID, it returns `00-00-00-00-00-00`. ◆ If the station is not available, it also returns `00-00-00-00-00-00`.

httpConfigTable

- `httpConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.2`
Syntax	SEQUENCE OF httpConfigEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents the HTTP configuration table for each station. Provides access to HTTP/HTTPS port settings and HTTPS-only enforcement.

httpConfigEntry

Each entry provides HTTP configuration attributes for a specific station, indexed by station ID.

- `httpConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.2.1`
Syntax	httpConfigEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents a single row of the `httpConfigTable`, containing HTTP/HTTPS settings for one station.

`httpConfigHttpPort`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.2.1.1`
Syntax	INTEGER (1..65535)
Access	Read-write
Description	Displays or sets the station's HTTP (HTTP/1.1) port. ◆ Valid range: 1–65535. ◆ Special value: `-3000000`, indicates the station is not available.

`httpConfigHttpsPort`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.2.1.2`
Syntax	INTEGER (1..65535)
Access	Read-write
Description	Displays or sets the station's HTTPS (TLS) port. ◆ Valid range: 1–65535. ◆ Special value: `-3000000`, indicates the station is not available.

`httpConfigHttpsOnlyEn`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.2.1.3`
Syntax	INTEGER { no(1), yes(2) }
Access	Read-write
Description	Enables whether the web interface accepts HTTPS only. ◆ `1 (no)`: Both HTTP and HTTPS are allowed. ◆ `2 (yes)`: Only HTTPS is allowed; HTTP is disabled. ◆ `-3000000`: Indicates the station is not available.

netConfigTable

- `netConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.3`
Syntax	SEQUENCE OF netConfigEntry
Access	Not-accessible
Indexes	`staId, netCablePort`
Description	Represents the configuration table for network settings. ◆ Provides access to network configuration data. ◆ Uses `cable port` as index to locate individual configuration entries.

netConfigEntry

Each entry provides network configuration attributes for a specific station, indexed by station ID and cable port.

- `httpConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.3.1`
Syntax	netConfigEntry
Access	Not-accessible
Indexes	`staId, netCablePort`
Description	Represents a single entry of the `netConfigTable`, containing configuration attributes for a specific network port.

netCablePort

OID	`1.3.6.1.4.1.21317.1.3.2.3.4.3.1.1`
Syntax	INTEGER (1..2)
Access	Not-accessible
Description	Indicates the network port number.

netConfigAutoIP

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.2
Syntax	INTEGER { no(1), yes(2) }
Access	Read-write
Description	Displays or sets whether the IPv4 address is obtained automatically.

netConfigIPv4

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.3
Syntax	IpAddress
Access	Read-write
Description	Displays or sets a fixed IPv4 address.

netConfigSubMask

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.4
Syntax	IpAddress
Access	Read-write
Description	Displays or sets the subnet mask address.

netConfigGateway

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.5
Syntax	IpAddress
Access	Read-write
Description	Displays or sets the gateway address.

netConfigAutoDNS

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.6
Syntax	INTEGER { no(1), yes(2) }
Access	Read-write
Description	Enables or disables automatic DNS configuration.

netConfigPreferDNSIPv4

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.7
Syntax	IpAddress
Access	Read-write
Description	Displays or sets the preferred DNS server address.

netConfigAlterDNSIPv4

OID	1.3.6.1.4.1.21317.1.3.2.3.4.3.1.8
Syntax	IpAddress
Access	Read-write
Description	Displays or sets the alternate DNS server address.

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Chapter 6
Event Objects

Overview

The Event subtree of the ATEN-PE2 MIB defines objects for monitoring and configuring event-related parameters.
This section includes tables and entries that provide trap configuration settings, enabling devices to send SNMP traps for event notification and management.

- `event`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5`
Access	Not-accessible
Description	Root node for event-related objects. This subtree includes `trapConfigTable` and `trapReceiverConfigTable`.

trap

- `trap`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1`
Syntax	N/A (branch)
Access	Not-accessible
Description	Root node for SNMP trap-related objects. This subtree includes `trapConfigTable` and `trapReceiverConfigTable`.

trapConfigTable

- `trapConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.1`
Syntax	SEQUENCE OF trapConfigEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents the trap configuration table.

trapConfigEntry

Each entry provides trap configuration attributes for a specific station, indexed by station ID.

- `trapConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.1.1`
Syntax	trapConfigEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents a single entry of the `trapConfigTable`, containing trap configuration attributes for one station.

trapConfigEn

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.1.1.1
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2) }
Access	Read-write
Description	Displays or sets whether the trap entry is enabled. ◆ For SNMPv3, configure username/auth-password/ priv-password first. ◆ For SNMPv1/v2c, configure the community string first. ◆ If the station is not available, the value is returned as –3000000.

trapConfigVer

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.1.1.2
Syntax	INTEGER { staNotAvailable(-3000000), v1(1), v2c(2), v3(3) }
Access	Read-write
Description	Displays or sets the SNMP trap version. ◆ For SNMPv3, configure username/auth-password/ priv-password first. ◆ For SNMPv1/v2c, configure the community string first. ◆ If the station is not available, the value is returned as –3000000.

trapReceiverConfigTable

- `trapReceiverConfigTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.2`
Syntax	SEQUENCE OF trapReceiverConfigEntry
Access	Not-accessible
Indexes	`staId, trapReceiverConfigIdx`
Description	Represents the table of trap receiver configurations. Each entry contains configuration parameters for one trap receiver.

trapReceiverConfigEntry

Each entry provides configuration attributes for a trap receiver, indexed by station ID and trap receiver index.

- `trapConfigEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1`
Syntax	trapReceiverConfigEntry
Access	Not-accessible
Indexes	`staId, trapReceiverConfigIdx`
Description	Represents a single entry of the `trapReceiverConfigTable` containing trap receiver configuration attributes.

`trapReceiverConfigIdx`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.1`
Syntax	INTEGER (1..2)
Access	Not-accessible
Description	Specifies the index of the trap receiver.

trapReceiverConfigIp

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.2
Syntax	IpAddress
Access	Read-write
Description	Displays or sets the IP address of the trap receiver. ◆ If the device does not support this OID, it returns 0.0.0.0. ◆ If the station is not available, it returns 0.0.0.0.

trapReceiverConfigPort

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.3
Syntax	INTEGER (1..65535)
Access	Read-write
Description	Specifies the NMS trap port used by the agent to send traps. ◆ If unsupported, returns -2000000. ◆ If unavailable, returns -3000000.

trapReceiverConfigCommunity

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.4
Syntax	DisplayString (SIZE (0..20))
Access	Read-write
Description	Specifies the SNMPv1/v2c community string for trap reception. ◆ If unsupported, returns not-support. ◆ If unavailable, returns station N/A.

trapReceiverConfigUsername

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.5
Syntax	DisplayString (SIZE (0..20))
Access	Read-write
Description	Specifies the SNMPv3 username string for trap reception. ◆ If unsupported, returns not-support. ◆ If unavailable, returns station N/A.

trapReceiverConfigAuthPwd

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.6
Syntax	DisplayString (SIZE (0..20))
Access	Read-write
Description	Specifies the SNMPv3 authentication password string. ◆ If unsupported, returns not-support. ◆ If unavailable, returns station N/A.

trapReceiverConfigPrivacyPwd

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.2.1.7
Syntax	DisplayString (SIZE (0..20))
Access	Read-write
Description	Specifies the SNMPv3 privacy password string. ◆ If unsupported, returns not-support. ◆ If unavailable, returns station N/A.

trapReceiverIpTable

- `trapReceiverIpTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.3`
Syntax	SEQUENCE OF TrapReceiverIpEntry
Access	Not-accessible
Indexes	`staId, trapReceiverIpIdx`
Description	Represents the trap receiver IP table.

trapReceiverIpEntry

Each entry contains configuration attributes for trap receiver IP, indexed by station ID and IP index.

- `trapReceiverIpEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.3.1`
Syntax	trapReceiverIpEntry
Access	Not-accessible
Indexes	`staId, trapReceiverIpIdx`
Description	Represents a single entry of the `trapReceiverIpTable` containing trap receiver IP information.

trapReceiverIpIdx

OID	`1.3.6.1.4.1.21317.1.3.2.3.5.1.3.1.1`
Syntax	INTEGER (1..2)
Access	Not-accessible
Description	Index of trap receiver.

trapReceiverIpType

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.3.1.2
Syntax	InetAddressType { ipv4(1), ipv6(2) }
Access	Read-only
Description	Represents the type of the corresponding trapReceiverIp object instance. ◆ If the station does not support this OID, it returns value –2000000. ◆ If the station is not available, it returns value –3000000.

trapReceiverIp

OID	1.3.6.1.4.1.21317.1.3.2.3.5.1.3.1.3
Syntax	InetAddress (SIZE (0..255))
Access	Read-write
Description	Outlet auto-ping destination IP address. ◆ If the station does not support this OID, it returns value 0.0.0.0. ◆ If the station is not available, it returns 0.0.0.0.

Chapter 7
Trap Notification Objects

Overview

The Trap Notification subtree of the ATEN-PE2 MIB defines objects for managing trap notification settings.
This section includes tables and entries that configure notification behavior, enable or disable trap notifications, and specify trap alarm parameters to ensure SNMP traps are correctly sent and managed.

trapNotification

- `trapNotification`

OID	`1.3.6.1.4.1.21317.1.3.2.3.50`
Syntax	N/A (branch)
Access	Not-accessible
Description	Root node for trap notification–related objects. This subtree includes : ◆ `trapNotifConfigTable` ◆ `trapNotifAlarmTable` ◆ `trapNotifEvent`

trapNotifConfigTable

- trapConfigTable

OID	1.3.6.1.4.1.21317.1.3.2.3.50.1
Syntax	SEQUENCE OF trapNotifConfigEntry
Access	Not-accessible
Indexes	staId
Description	Represents the trap notification configuration table.

trapNotifConfigEntry

Each entry provides trap notification configuration attributes of a specific station, indexed by station ID.

- trapNotifConfigEntry

OID	1.3.6.1.4.1.21317.1.3.2.3.50.1.1
Syntax	trapNotifConfigEntry
Access	Not-accessible
Indexes	staId
Description	Represents a single entry of the trapNotifConfigTable, containing trap notification configuration information for one station.

trapNotifConfigEn

OID	1.3.6.1.4.1.21317.1.3.2.3.50.1.1.1
Syntax	INTEGER { staNotAvailable(-3000000), no(1), yes(2) }
Access	Read-write
Description	Displays or sets whether the trap entry is enabled. ◆ For SNMPv3, username, authentication password, and privacy password must be set first. ◆ For SNMPv1/v2c, the community string must be set first. ◆ If the station is not available, returns value –3000000.

trapNotifiAlarmTable

- `trapNotifiAlarmTable`

OID	`1.3.6.1.4.1.21317.1.3.2.3.50.2`
Syntax	SEQUENCE OF trapNotifiAlarmEntry
Access	Not-accessible
Indexes	`staId`
Description	Trap notification alarm table.

trapNotifiAlarmEntry

Each entry provides alarm status attributes of a specific station, indexed by station ID.

- `trapNotifiAlarmEntry`

OID	`1.3.6.1.4.1.21317.1.3.2.3.50.2.1`
Syntax	trapNotifiAlarmEntry
Access	Not-accessible
Indexes	`staId`
Description	Represents a single entry of the `trapNotifiAlarmTable` containing trap notification alarm information.

`trapNotifiAlarmBreakerStatus`

OID	`1.3.6.1.4.1.21317.1.3.2.3.50.2.1.1`
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station breaker alarm status. Returns `-3000000` if the station is not available.

trapNotifiAlarmCurrentStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.2
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station current alarm status. Returns –3000000 if the station is not available.

trapNotifiAlarmVoltageStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.3
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station voltage alarm status. Returns –3000000 if the station is not available.

trapNotifAlarmPowerStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.4
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station power alarm status. Returns –3000000 if the station is not available.

trapNotifAlarmSensorStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.5
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1), typeChanged(2) }
Access	Read-only
Description	Station sensor alarm status. Returns –3000000 if the station is not available.

trapNotifAlarmPortNumber

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.7
Syntax	INTEGER (-3000000 | 1..256)
Access	Not-accessible
Description	Station sensor/drycontact alarm port.

trapNotifiAlarmVoltageStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.3
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station voltage alarm status. Returns –3000000 if the station is not available.

trapNotifAlarmUnbalCurStatus

OID	1.3.6.1.4.1.21317.1.3.2.3.50.2.1.8
Syntax	INTEGER { staNotAvailable(-3000000), normal(0), alarm(1) }
Access	Read-only
Description	Station unbalanced current alarm status. Returns –3000000 if the station is not available.

trapNotifEvent

The trapNotifEvent object provides a summarized status indicating whether any trap notification alarms are currently active, while detailed alarm information is available in the trapNotifAlarmTable.

- `trapNotifEvent`

OID	`1.3.6.1.4.1.21317.1.3.2.3.50.3`
MIB	ATEN-PE2-CFG
Description	Display trap notification alarm status.

Chapter 8
Device Lock Objects

Overview

The Device Lock subtree of the ATEN-PE2 MIB defines objects for enforcing security requirements mandated by California laws.
This section includes entries for configuring SNMPv1/v2c community strings and SNMPv3 passwords to comply with password protection standards.

deviceLock

- `deviceLock`

OID	`1.3.6.1.4.1.21317.1.3.2.3.150`
Syntax	N/A (branch)
Access	Not-accessible
Description	Root node for device lock objects. This subtree includes `staCommunityLock` and `staPasswordLock`.

staCommunityLock

- `staCommunityLock`

OID	`1.3.6.1.4.1.21317.1.3.2.3.150.1`
Syntax	DisplayString
Access	Read-write
Description	Change SNMPv1 or SNMPv2c community for California password law compliance. ◆ Format: `readcommunity|writecommunity`

staPasswordLock

- staPasswordLock

OID	1.3.6.1.4.1.21317.1.3.2.3.150.2
Syntax	DisplayString
Access	Read-write
Description	Change SNMPv3 password for California password law compliance. ◆ Format: authpassword|privpassword

Chapter 9
Product Specific Nodes

Overview

This chapter documents product-specific nodes defined under the ATEN MIB. Unlike generic nodes (e.g., event, trapNotification, deviceLock) which provide functions shared across multiple devices, these nodes are tied to particular product models. They serve as identifiers and anchors for model-specific management, and their presence allows network administrators to distinguish devices within the ATEN ecosystem.

Introduction

Product-specific nodes do not typically expose detailed attributes or management objects. Instead, they represent device families or specific models and act as entry points in the MIB tree.

These nodes are useful for:

Identifying the exact device model via its OID.

- Associating device-specific information with general ATEN management objects.
- Ensuring compatibility when monitoring heterogeneous ATEN deployments.Identifying the exact device model via its OID.
- Associating device-specific information with general ATEN management objects.
- Ensuring compatibility when monitoring heterogeneous ATEN deployments.

Product-Specific Nodes

These product-specific nodes act as identifiers for ATEN device families. Some represent currently available models, while others may refer to legacy or region-specific products.

pn9108

OID	1.3.6.1.4.1.21317.1.3.2.1
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the PN9108 model.

pe

OID	1.3.6.1.4.1.21317.1.3.2.2
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node representing the PE series.

pn7320-7212-5320-5212

OID	1.3.6.1.4.1.21317.1.3.2.30
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node for the PN7320/7212/5320/5212 models.

pn5101

OID	1.3.6.1.4.1.21317.1.3.2.35
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the PN5101 model.

sn0116a

OID	1.3.6.1.4.1.21317.1.3.3.1
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the SN0116A model.

sn3101

OID	11.3.6.1.4.1.21317.1.3.3.2
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the SN3101 model.

sn0148

OID	1.3.6.1.4.1.21317.1.3.2.1
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the SN0148 model.

vlsoverip

OID	1.3.6.1.4.1.21317.1.3.8
MIB	ATEN-PRODUCTS-MIB
Description	Product-specific node identifying the VLS-over-IP family.

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