

## 2.2.5 SNMP

This page is to set NetAgent SNMP settings so it can be used by a NMS ( Network Management System).

### MIB System

#### **System Name**

This section is to give a name to a NetAgent.

#### **System Contact**

This section is to give a name to the administrator.

#### **System Location**

This section is to set NetAgent location.

### Access Control

#### **Manager IP Address**

This section is to set the IP address that the administrator can manage NetAgent from. It is valid for up to 8 IP addresses. To manage NetAgent from any IP address, enter \*.\*.\* into **Manager IP address**.

#### **Version**

This is to select between SNMPv1& SNMPv2 or SNMPv3 (SNMPv3 only applies to NetAgent 9 series)

#### **Community**

This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS.

#### **Permission**

This section is to set authorities of administrators. Options are Read, Read/Write, and No Access.

#### **Username/password**

When select SNMPv3, username/password must be entered. Password must be at least 8 characters. Sender and Recipient's password must match to communicate.

#### **Authentication**

This is to select between MD5 and SHA. Length must be at least 8 characters.

#### **Privacy**

This is to select DES and AES. Length must be at least 8 characters.

**Description**

This section is for an administrator to make notes.

**Trap Notification****Receiver IP Address**

This section is to set receivers IP address for receiving traps sent by NetAgent. It is valid for up to 8 IP Addresses.

**Community**

This section is to set a Community name for NMS. The community name has to be as the same as the setting in NMS.

**Trap Type**

This section is to select if send trap according to PPC MIB or RFC1628

**Severity**

This section is to set Trap receiver levels. There are three levels of Trap receiver :

- Information: To receive all traps.
- Warning: To receive only "warning" and "severe" traps.
- Severe: To receive only "severe" traps.  
( Please refer to NMS manual for Trap levels.)

**Accept**

This section is to set to receive a trap or not.

**Description**

This section is for an administrator to make notes.

**Event**

This section is to select events for NetAgent to send traps. Clicking on Select will open a Select Events List. Or, Click on Test is to send test trap. Event Traps may be selected from this list. Events list is below:

<b>UPS Events</b>	<b>Yes</b>	<b>No</b>
Schedule Shutdown Event	<input checked="" type="radio"/>	<input type="radio"/>
UPS Failure	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Test mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Sleeping mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Boost mode	<input checked="" type="radio"/>	<input type="radio"/>
UPS Load Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Communication Lost	<input checked="" type="radio"/>	<input type="radio"/>
Turn Off UPS	<input checked="" type="radio"/>	<input type="radio"/>
AC Power Failed	<input checked="" type="radio"/>	<input type="radio"/>
UPS Battery Low	<input checked="" type="radio"/>	<input type="radio"/>
UPS Temperature Overrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS Capacity Underrun	<input checked="" type="radio"/>	<input type="radio"/>
UPS entering Bypass mode	<input checked="" type="radio"/>	<input type="radio"/>
<b>NetFeeler Lite</b>	<b>Yes</b>	<b>No</b>
Smoke Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Water Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Gas Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Security Alarm	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Overrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Temperature Underrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Overrun	<input checked="" type="radio"/>	<input type="radio"/>
Environmental Humidity Underrun	<input checked="" type="radio"/>	<input type="radio"/>

Fig.33 UPS Events

### Device Connected

This section is to set the usage power and connection status of other devices which connects to the same UPS as NetAgent uses.

### SNMP UDP

This is to configure the UDP port of the NetAgent and trap receiver. SNMP default port is 161; and Trap MIB is UDP162

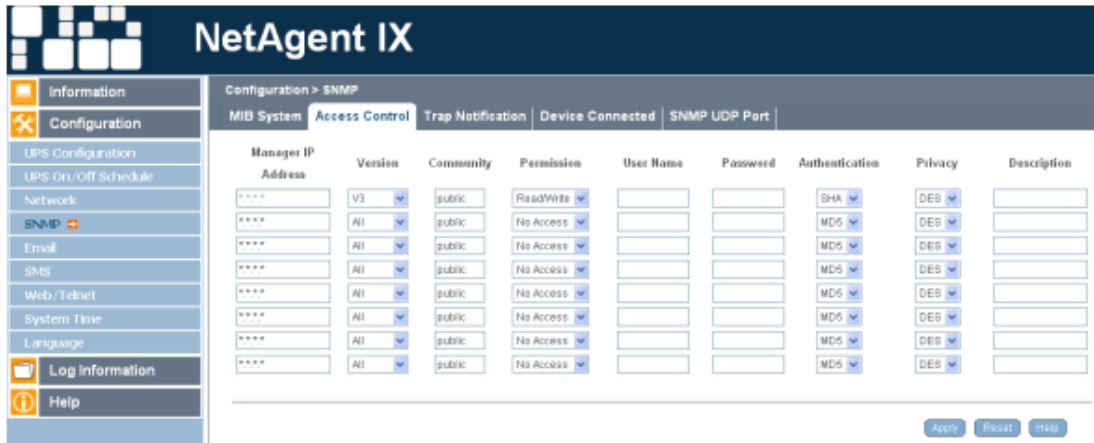
The screenshot displays the SNMP configuration interface with the following sections:

- MIB System:** System Name: UPS Agent, System Contact: Administrator, System Location: My Office.
- Access Control:** A table with columns: Manager IP Address, Community, Permission, and Description. It lists several entries with 'public' communities and various permissions like 'Read/Write' and 'No Access'.
- Trap Notification:** A table with columns: Destination IP Address, Community, Trap Type, Severity, Accept, Description, and Events. It lists entries for 'PPC' traps with 'Information' severity and 'No' accept status.
- Device Connected:** A table with columns: Device, Rating (%), and Connected. It shows four entries with a rating of '0' and a 'NO' connection status.
- SNMP UDP Port:** NetAgent SNMP Port: 161, Trap Receive Port: 162.

\* - System will reboot when this item has been Applied.

Buttons: Apply, Reset, Help

Fig.34 SNMP



The image shows the NetAgent IX configuration interface. The top header is dark blue with the 'NetAgent IX' logo. Below the header is a navigation menu with 'Information' and 'Configuration' sections. The 'Configuration' section is expanded to show 'SNMP' settings. The main content area is titled 'Configuration > SNMP' and has several tabs: 'MIB System', 'Access Control', 'Trap Notification', 'Device Connected', and 'SNMP UDP Port'. The 'Access Control' tab is active, displaying a table of SNMP configurations.

Manager IP Address	Version	Community	Permission	User Name	Password	Authentication	Privacy	Description
****	V3	public	ReadWrite			SHA	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	
****	All	public	No Access			MD5	DES	

At the bottom right of the configuration area, there are three buttons: 'Apply', 'Reset', and 'Help'.

Fig 35. NetAgent 9 SNMP