System Information on the 200/300 Series Managed Switches

Objective

The purpose of this article is to show you the basic system information and what each parameter means on the 200/300 Series Managed Switches. This information is useful for any network administrator and can help make a better decision when it comes to your network. Also.

This article explains how to configure basic system information that can better identify the switch and its purpose on your network.

Applicable Devices

• SF/SG 200 and SF/SG 300 Series Managed Switches

Software Version

• 1.3.0.62

General System Information

Step 1. Log in to the web configuration utility and choose **Status and Statistics > System Summary**. The *System Summary* page opens:

System Summary

System Information

System Operational Mode:	L2 Mode
System Description:	48-Port 10/100 PoE Managed Switch
System Location:	Edit
System Contact:	Edit
Host Name:	switch1204c0 Edit
System Object ID:	1.3.6.1.4.1.9.6.1.82.48.2
System Uptime:	0 day(s), 1 hr(s), 57 min(s) and 8 sec(s)
Current Time:	16:56:48;2013-Mar-12
Base MAC Address:	70:10:5c:12:04:c0
Jumbo Frames:	Disabled

Software Information

Firmware Version (Active Image):	6.2.10.18
Firmware MD5 Checksum (Active Image):	46e12d2b67193957e020c26724f7487e
Firmware Version (Non-active):	6.2.10.18
Firmware MD5 Checksum (Non-active):	46e12d2b67193957e020c26724f7487e
Boot Version:	1.1.0.6
Boot MD5 Checksum:	8c6b1f42c0754ab9c70324a815a45f08
Locale:	en-US
Language Version:	1.3.5.03
Language MD5 Checksum:	N/A
Locale:	zh-CN
Language Version:	1.2.9.44
Language MD5 Checksum:	e1a7fc17d32df12c5ba38a20f2a3c8df

TCP/UDP Services Status Edit

HTTP Service:	Enabled
HTTPS Service:	Enabled
SNMP Service:	Disabled
Telnet Service:	Disabled
SSH Service:	Disabled

PoE Power Information on Master Unit Detail

Maximum Available PoE Power(W):	375
Total PoE Power Consumption(W):	0
PoE Power Mode:	Port Limit

Serial Number: DNI1716000V   PID VID: SF300-48PP-K9 V01

The following information is displayed in the System Information area:

• System Operation Mode — Displays the operation mode of the switch. There are two operation modes available: Layer 2 and Layer 3 of the TCP/IP model operation modes. With Layer 2 operation mode, the switch acts entirely as a layer 2 switch. With Layer 3 operation mode, the switch acts as a layer 2 switch but also performs layer 3 tasks.

• System Description — A description of the system.

• System Location — The physical location of the switch. Click **Edit** to change the information.

• System Contact — The name of a contact person. Click **Edit** to change the information.

• Host Name — The name of the switch. By default, the switch Host Name is composed of the word switch concatenated with the three least significant bytes of the switch MAC address. Click **Edit** to change the information.

Note: If you click Edit, refer to the article *System Settings Configuration on 200/300 Series Managed Switches* to know how to alter the system settings information.

• System Object ID — The unique SNMP object ID for this product.

• System Uptime — Time elapsed since the last reboot.

• Current Time — The current system time.

• Base MAC Address — Switch MAC address.

• Jumbo Frames — Jumbo frame support status. This support can be enabled or disabled on the *Port Setting* page. Jumbo frames support takes effect only after it is enabled and the

switch is rebooted. Jumbo Frames are Ethernet frames with a size of 1500 bytes or more.

Information about the available services on the switch is located in the TCP/UDP Services Status area:

Note: If you wish to alter the status of TCP/UDP services, click **Edit**. The TCP/UDP Services page opens. Refer to the article *View TCP/UDP Service Status on 300 Series Managed Switches* to know how to alter the status of TCP/UDP services.

- HTTP Service — Displays the current status (Enable or Disable) of the HTTP service.

- HTTPS Service — Displays the current status (Enable or Disable) of the HTTPS service. HTTPS is a secure version of HTTP.

- SNMP Service — Displays the current status (Enable or Disable) of the SNMP (Simple Network Management Protocol) service. SNMP offers you the tools to manage and control a network environment.

- Telnet Service — Displays the current status (Enable or Disable) of the Telnet service. Telnet is a protocol that allows you to establish a remote connection with a network.

- SSH Service — Displays the current status (Enable or Disable) of the SSH (Secure Shell) service. SSH, like telnet, allows you to establish a remote connection with a network, but SSH offers more security than Telnet.

The following information is displayed in the Software Information area:

- Firmware Version (Active Image) — Firmware version number of the software image that is currently in use.

- Firmware MD5 Checksum (Active Image) — MD5 checksum of the active image. MD5 is a hash algorithm that encrypts data. In this case, the firmware produces a MD5 checksum value, with the purpose of data integrity and protection of the firmware data.

- Firmware Version (Non-active) — Firmware version number of the inactive software image.

- Firmware MD5 Checksum (Non-active) — MD5 checksum of the inactive software image. Because the 200/300 Series Managed Switches can have up to two different firmware, each firmware has their own MD5 checksum value for data integrity.

- Boot Version — Boot image version number.

- Boot MD5 Checksum — MD5 checksum of the boot image.

- Locale — Locale of the first language.

- Language Version — Firmware version of the primary language of the active image.

- Language MD5 Checksum — MD5 checksum of the language file.

- Serial Number — Displays the serial number of the switch.

- PID VID — Displays the part number and the version ID of the switch.

If the switch is PoE capable, the following general PoE statistics and settings are also be

displayed.

- Maximum Available PoE Power (W) — Maximum available power that can be delivered by the PoE in Watts.

- Total PoE Power Consumption (W) — Total PoE power being delivered to connected PoE devices in Watts.

- PoE Power Mode — Power over Ethernet (PoE) devices are powered from the switch. The devices take power from the port they are connected. The switch limits the page to in two ways depending on the Power Mode.

  – Port Limit — This is configured in the PoE properties page. Power is limited to a specific wattage, and to activate these settings, the system must be in PoE Port Limit mode.

  – Class Limit — This is configured in the PoE properties page. Power is limited based on the class of the connected device, and to activate these settings, the system must be in PoE Port Limit mode.