

SIGNAMAX

C-600 Series Genisys Solution Guide

Genisys Solution Guide

SC60010

C-600 24 Port Gigabit PoE++ Managed Switch 2 SFP Combo Port

How to Use This Guide

This guide includes detailed instructions on how to optimize a C-600 Series switch for use with Genisys PoE Lighting System based on the requirements and information provided by Innovative Lighting.

Who Should Read this Guide? This guide is for network administrators who are responsible for operating and maintaining network equipment. The guide assumes a basic working knowledge of LANs (Local Area Networks), the Internet Protocol (IP), the Internet Group Management Protocol (IGMP) and quality of Service (QOS).

Related Documentation This guide focuses on switch software configuration through the web browser.

For hardware installation please refer:

Quick Start Guide

For detailed configuration options and information about the switch's key features please refer:

Web Management Guide OR CLI Reference Guide

Revision History This section summarizes the changes in each revision of this guide.

Revision	Date	Description
v1.0.0	2020/11/17	Initial Release

Contents

How to Use This Guide 3

C-600 Series Genisys Configuration via Web Interface 5

Device Management System (DMS)..... 6

Power over Ethernet (PoE) Mode 7

Power Mode 8

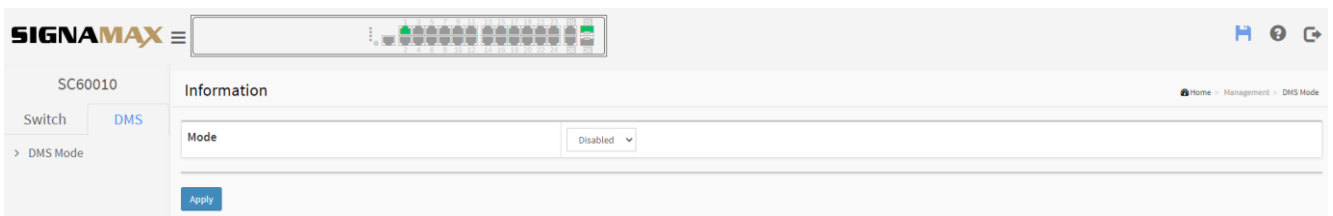
C-600 Series Genisys Configuration via Web Interface

See the *Preparation for Web Interface* section of the Web Management Guide for how to connect and login to the C-600 Switch

Device Management System (DMS)

1. Disable Device Management System (DMS)

- Genisys recommends disabling the built in Device Management System of the C-600 Series switch.
- By default DMS is disabled on the C-600 Series switches but if it was previously enabled it can be disabled by going to the DMS menu
- Choosing **DMS Mode**
- Mode: Select **Disabled** in the drop down menu
- Click **Apply**



Power over Ethernet (PoE) Mode

1. Configure PoE Mode:

- Navigate to **Switch-> Configuration -> PoE -> Configuration**
- For each port that will have Genisys units select PoE Mode: **4-Pair**
- For each port that will have Genisys units select Maximum Power: **60**

The screenshot displays the 'Power Over Ethernet Configuration' page for switch SC60010. The interface includes a navigation menu on the left with 'Configuration' expanded to 'PoE'. The main content area is divided into several sections:

- Reserved Power determined by:** Radio buttons for Class, Allocation (selected), and LLDP-Med.
- Power Management Mode:** Radio buttons for Actual Consumption (selected) and Reserved Power.
- PoE Power Supply Configuration:** Fields for PoE Firmware Version (208-211) and Primary Power Supply [W] (820).
- PoE Port Configuration:** A table with columns for Port, PoE Mode, PoE Schedule, Priority, Capacitor Detection, and Maximum Power [W].

Port	PoE Mode	PoE Schedule	Priority	Capacitor Detection	Maximum Power [W]
*	<>	<>	<>	<input checked="" type="checkbox"/>	90
1	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60
2	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60
3	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60
4	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60
5	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60
6	4-pair	Disabled	Low	<input checked="" type="checkbox"/>	60

Power Mode

1. Configure secondary power supply to “Boost” mode:

- By default the secondary power supply on the C-600 Series switch is set to Boost mode but if it was previously changed to Redundant mode it can be set as follows:
- Navigate to **Switch->Configuration->System->Power Information**
- Operating Mode: **Boost**
- Click **Apply**

The screenshot displays the SIGNAMAX web interface for device SC60010. The left sidebar shows the navigation menu with 'Configuration' expanded to 'Power Information'. The main content area is titled 'Power Information' and includes an 'Auto-refresh' checkbox and a refresh icon. Below this is a table with the following data:

Power	A	B
Detected PSU	PSU-820	None
Power Good	Good	Fail
FAN Speed (RPM)	8854	0
Temperature (Degree C)	22	0
Operating Mode	Redundant	

At the bottom of the 'Operating Mode' row, there is a dropdown menu currently set to 'Redundant', with 'Boost' and 'Redundant' as visible options. Below the table are 'Apply' and 'Reset' buttons.

Startup Config

1. Saving the configuration file

- Click the **Save Current Settings** button in the upper right of the screen

The screenshot displays the SIGNAMAX web interface for device SC60010. The main content area is titled "IP Configuration" and includes sections for Mode, DNS Server, DNS Proxy, IP Interfaces, Link-Local Address binding interface, and IP Routes. A red arrow points to the "Save Current Settings" button in the top right corner of the interface.

IP Configuration

Mode: Host

DNS Server: Configured, 8.8.8.8

DNS Proxy:

IP Interfaces

Delete	VLAN	IPv4 DHCP			IPv4		IPv6	
		Enable	Fallback	Current Lease	Address	Mask Length	Address	Mask Length
<input type="checkbox"/>	1	<input type="checkbox"/>	0		192.168.2.1	24		

[Add Interface](#)

Link-Local Address binding interface: VLAN 1

IP Routes

Delete	Network	Mask Length	Gateway	Next Hop VLAN
<input type="checkbox"/>	0.0.0.0	0	192.168.2.254	0
<input type="checkbox"/>	169.254.0.0	16	192.168.2.1	0
<input type="checkbox"/>	192.168.2.0	24	192.168.2.1	0

[Add Route](#)