DIGITUS®

10-INCH 8-PORT GIGABIT ETHERNET PoE+ SWITCH, L2+ MANAGED

Quick installation guide
DN-95331 Rev.2

1. About Guide

This guide provides instructions to install the PoE Switch.

Note: The model you have purchased may appear slightly different from the illustrations shown in the document. Refer to the Product Instruction and Technical Specification sections for detailed information about your switch, its components, network connections, and technical specifications.

This guide mainly divided into 4 parts:
1. About guide: Terminology/Usage
2. Product introduction: functional overview and introduction of panel definitions
3. Hardware installation: step by step hardware installation process
4. Technical Specifications

Terminology / Usage

In this guide, the term "Switch" (first letter capitalized) refers to the PoE Switch, and "switch" (first letter lower case) refers to other PoE switches. Some technologies refer to terms "switch", "bridge" and "switching hubs" interchangeably, and both are commonly accepted for Ethernet switches.

Note: indicates important information that helps a better use of the device.

Warning: indicates potential property damage or personal injury.

Copyright and trademark
The pictures and data shown in this guide are for reference only, subject to change without notice.

2. Products Introduction

Thanks for purchasing the Managed PoE switch products.

This product is a network management type Gigabit PoE Switch. The machine comes with 8x 10/ 100/1000Mbps RJ45 PoE ports which can satisfy the full speed forwarding of ports. The machine uses is a small size metal-shell device which is useful for the small office can home and the IP solution project using, be used on the desktop or Wall mounting. Excellent performance can help you widely use in wireless, monitoring and other fields.

Front Panel
The front panel consists of LED indications and network ports

LED Lamp
Power LED: The Power LED lights up when the switch is connected to a power source.
Link/Act indicator: The light indicates the network connection through the corresponding port. Flicker indicates that the switch is sending or receiving data
PoE indicator: Constant brightness indicates that the PD device is connected to the corresponding port, and extinguished indicates that the port is not powered or no PD device is found.
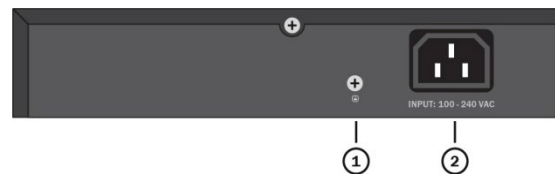
Side Panel

RST: By pressing the Reset button for 5 seconds the switch will change back to the default configuration and all changes will be lost.

Rear Panel
The rear panel view of the Ethernet switch consists of an AC power connector.

(1) Grounding: use specialized ground lead connect
(2) Connect the power adapter output terminal to this port.
Supports input voltages 100-240VAC

3. Hardware installation

This chapter provides unpacking and installation information for the Managed PoE Switch.

Open a seal
Open the shipping carton and carefully unpack its contents. Please consult the packing list located in the User Manual to make sure all items are present and undamaged. If any item is missing or damaged, please contact the local reseller for replacement.

- Switch 1pcs
- User's manual 1pcs
- AC power cord 1pcs
- CD ROMs 1pcs

Switch installation
For safe switch installation and operation, it is recommended that you:
- Visually inspect the power cord to see that it is secured fully to the AC power connector.
- Make sure that there is proper heat dissipation and adequate ventilation around the switch.
- Do not place heavy objects on the switch.

Installation hole spacing
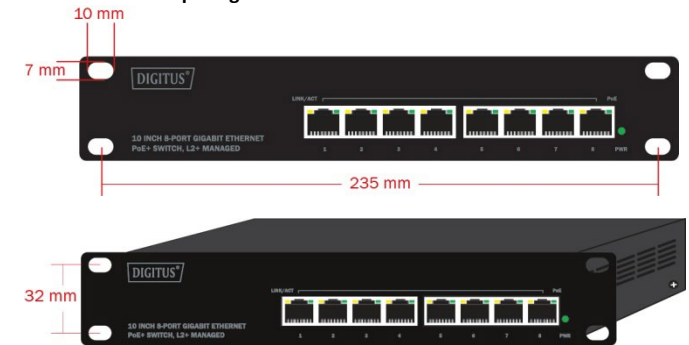
Connecting power supply
Using the AC power cord to connect to of the into the AC socket on the back of the switch.
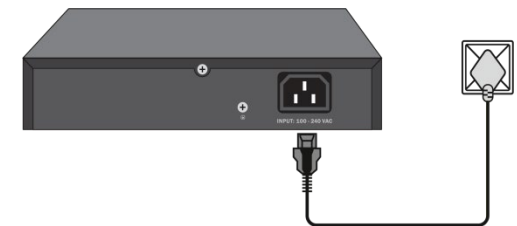
Warning: Do not turn on the power switch before power cables are connected. Power surge may cause damage to the Switch.

Power failure
As a precaution, the switch should be unplugged in case of power failure. When power is resumed, plug the switch back in.

Network connection

The Managed Switch can be managed through any port on the device by using the Web-based management.

Using Web-based Management

After a successful physical installation, you can configure the Switch, monitor the network status, and display statistics using a web browser.

Supported Web Browsers

The embedded Web-based Management currently supports the following web browsers:
- Internet Explorer 6 or higher version
- Netscape 8 or higher version
- Mozilla
- Firefox 1.5/2.0 or higher version

Connecting to the Switch

You will need the following equipment to begin the web configuration of your device:
1. A PC with a RJ-45 Ethernet connection
2. Standard Ethernet network Line
3. A standard Ethernet cable

Connect the Ethernet cable to any of the ports on the front panel of the switch and to the Ethernet port on the PC.

Network connetion
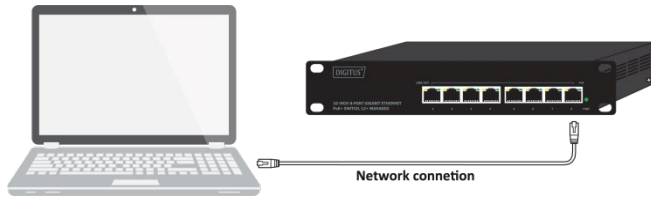
Login Web-based Management

1. To access the GUI of the switch, open a browser and type the default management address http://192.168.0.1 in the address field of the browser, then press the Enter key.


Note: To log in to the switch, the IP address of your PC should be set in the same subnet as that of the switch. The IP address is 192.168.0.x ("x" is any number from 2 to 254). Subnet Mask is 255.255.255.0. For details, please refer to Appendix B in the User Guide on the resource CD.

2. Enter **admin** for both the User Name and Password in the lower case letters. Then click the Login button or press the Enter key.

3. After a successful login, the main page will appear as follows, and you can click the menu on the left side to configure the corresponding functions.
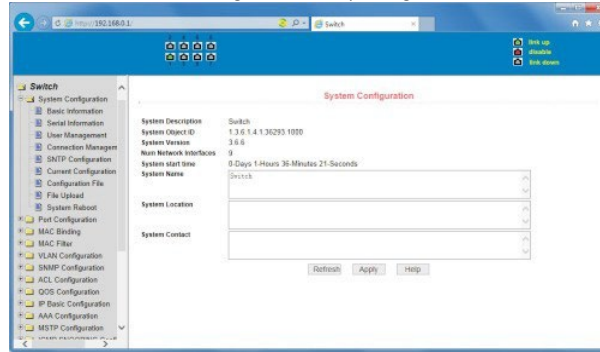
Note: For more details about how to configure the switch, see the User Guide on the resource CD.

4. Technical Specifications

Project	describe
Summary	
Fixed port	8x10/100/1000Base-TX RJ45 ports
Standards and protocols	IEEE802.3 10Base-T Ethernet standard IEEE802.3u 100Base-TX Fast Ethernet standard IEEE802.3ab 1000Base-T Ethernet standard IEEE802.3z Gigabit Ethernet (fiber) IEEE802.3x Full duplex flow control and Backpressure Half duplex flow control IEEE802.3ab Link aggregation
Forwarding Rate	10/100/1000Mbps
LED Indicators	Power, Link/Act
AC Input Voltage Range	100V~240V AC, 50/60Hz
Power consumption	Including PoE Output: 96W Excluding PoE Output: 5W
Operating temperature	0°C~40°C
Storage temperature	-10°C~70°C
Relative humidity	20%~85% (non-condensing)
Switching Fabric	16G
MAC Addresses	8K

PoE Technology	
PoE Compliance	100% IEEE 802.3af, 802.3at compliant
PoE Classification	PSE (Power Sourcing Equipment)
PoE Voltage	+52 VDC
PoE Power Budget	80W
PoE Port Capacity	Up to 30 W per port
PoE Operation	Automatic detection and power management
PoE Pin Assignments	V- (RJ45 Pin 1, 2), V+ (RJ45 Pin 3, 6)
PoE Disconnect Mode	DC disconnect
Software Technology	
Port Feature	Port Control, Port Isolation, Port Self-loop Detection
Port Mirroring	Multi to 1 Sniffer
VLAN	Port-base & 802.1q Tag-base VLANs
Link Aggregation	Up to 8 maximum aggregation groups, each containing up to 4GE
Traffic control	IEEE 802.3x full-duplex flow control
Rate Limit	Unit: 64kbps
Spanning Tree	Support STP, RSTP, MSTP
Ring Protocol	Support EAPS
Multicast	Support 256 Multicast groups, Support IGMP Snooping
HOST Static Route	Support Static ARP & Static Routing, up to 32 L3 VLAN Interface
QoS	4 output queues on each port
	Support flexible queue scheduling algorithms: WRR, Q+WRR
	Support port-based / MAC-based / 802.1p / DSCP classification
ACL	Support Standard IP / Extend IP / MAC IP / ARP, up to 512 entries
Security	Support MAC-based 802.1X authentication
	Support AAA/RADIUS authentication
	Support WEB/Telnet password protection
	Support Accessing privilege mode password protection
SMNP	Support
Configuration File	Support Download/Upload configuration File via WEB / TFTP
Upgrade Firmware	Support Upgrade Firmware via WEB / TFTP
Management Interface	Support WEB, SNMP, CLI, Telnet,
Reset Button	<5 sec: System reboot >5 sec: Factory default
Mechanical	
Casing	Metal
Dimensions (W x L x H)	252 mm x 150 mm x 44 mm

This is a Class A product. In home environment, this product may cause radio interference. In this case, the user may be required to take appropriate measures.

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