8-Port Gigabit Ethernet 10" rack-mount Switch

Manual

DN-80114

Introduction

The DN-80114 is a compact Ethernet desktop switch that provides wire-speed, a Gigabit Ethernet switching function which allows high-performance, low-cost connections to 10M/100M/1000Mbps Ethernet network. The Ethernet Switch delivers all the advantages of a switching hub in a compact desktop size and is ideal for small office or SOHO network users. This switch provides 8 auto-sensing 10/100/1000Mbps Ethernet RJ-45 ports, which automatically detect the speed of the devices that you plug into them. This switching function allows Full/Half-duplex devices to communicate on the same network without having to replace any infrastructure. This flexible feature allows your network a timely, economical migration to DIGITUS network switch.

Key Features

- Conforms to IEEE802.3, 802.3u, 802.3x, 802.3ab
- Automatic MDI/MDIX crossover for all ports
- N-Way Auto-negotiation for 10/100/1000Mbps transmissions
- Space-saving compact size
- Store-and-Forward switching architecture
- Auto-detection of full/half-duplex mode in all ports
- Plug-and-Play configuration auto address learning
- LED indicators for Power, Link/activity

Package Contents

- Ethernet Switch
- User's manual
- AC power cord

IMPORTANT: If any piece is missing or damaged, please contact your local dealer or reseller for service.

Product Specifications

DN-80114 (8-Port 10/100/1000 Base-TX Gigabit Ethernet Switch)

Ports:	8-Port 10/100/1000Base-TX
MAC Address:	8K Mac address table
LED Indicator:	Per port: Link/Activity
	Per unit: Power
Dimension:	250mm x 150mm x 42mm (W x D x H)
Operating Temp:	0°C to 45°C (32°F to 113°F)
Operating Humidity:	10% to 90% (Non-condensing)
Power Consumption:	5 Watt AC 100-240VAC 50/60Hz (Maximum)
EMI:	CE Class A

Hardware Description

The Front Panel
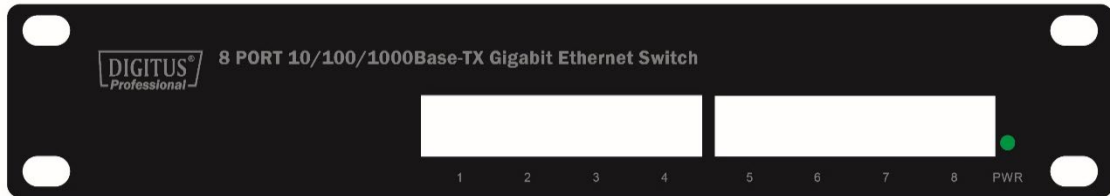The front panel consists of LED Indications.

LED Indicators

Figure 1. Front panel view

LED	Status	Color	Description
Power	On	Green	The switch is supplied with suitable power.
LINK/ACT	Off	-	The port is not linked successfully with the device.

RJ-45 Ports (Auto MDI/MDIX)
8 auto-sensing ports of 10/100/1000Base-TX connections. [In general, MDI means connecting to another Hub or Switch while MDIX means connecting to a workstation or PC. Therefore, Auto MDI/MDIX means that you can connect to another Switch or workstation without changing pin-to-pin or crossover cabling.
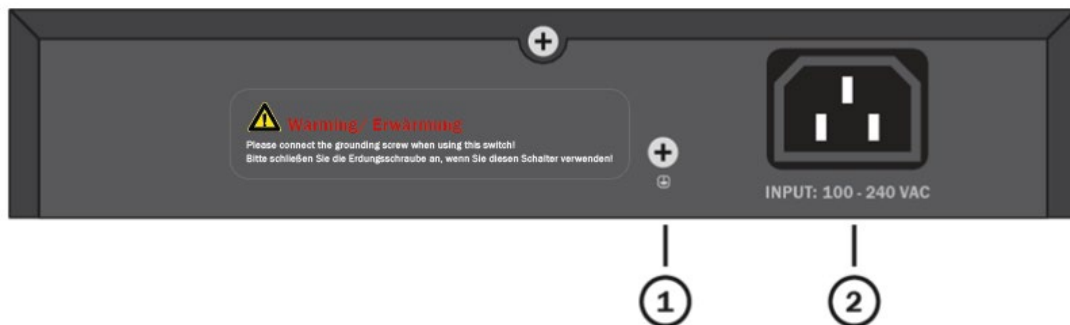
Back view

Figure 2. Back view

1. Grounding:
Please connect the grounding screw when using this switch.

2. AC Power Connector
Plug the female connector into the switch and male connector into a power outlet.
Supports input voltages 100-240VAC, 50/60Hz.

Troubleshooting

The Switch can be easily monitored through panel indicators to assist in identifying problems. This section describes common problems you may encounter and possible solutions.

Power

If the power indicator does not light when the power cord is plugged in, you may have a problem with the power outlet or cord. However, if the power LED goes off after running for a while, check for loose power connections, power losses or surges at the power outlet. Turn off power, wait 30 seconds and turn power on again. If problem is still not resolved call for dealer's assistance

Diagnosing LED Indicators

If link indicator does not light after making a connection, check whether network interface (e.g., a network adapter card on the attached device), network cable, or switch port is defective. Be sure the cable is plugged into both the switch and corresponding device. Verify the proper cable type is used and its length does not exceed specified limits.

Cabling

Verify that the cabling type is correct. Make sure all cable connectors are securely seated in the required ports. Make certain the maximum distance between the Switch and what it's connected to is 100 meters or less.

NOTE: Do not plug a standard telephone cord into an RJ-45 port. This may damage the switch