



# **8-Port 10/100Mbps Ethernet Unmanaged Switch**



**Quick Installation Guide**

**DN-80069**

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# **1. Product Introduction**

The 8-Port 10/100 Mbps Network switch from DIGITUS® provides 5 x RJ45 ports with 10/100Mbps bandwidth each. Easily expand the existing network. No configuration is required on the switch itself; thanks to auto-negotiation and Auto MDI/MDI-X, cables and speeds are also automatically detected. The switch can be used as a desktop variant or mounted on a wall. Thanks to the external power supply, the switch does not need a fan at all. Ideal for expanding / setting up small home or company network.

## 1.1 Features

- 8 x RJ45 ports 10/100 Mbps
- All ports support 10/100 Mbps bandwidth
- Network standards: IEEE 802.3i, IEEE 802.3u, IEEE802.3x, IEEE802.3az
- Full-duplex flow control IEEE802.3x
- Store and forward mode operates
- Auto-negotiation / Auto-MDI/MDI-X
- No configuration necessary
- LED indicators for monitoring power, link/activity

## 1.2 Package Contents

Before installing the Switch, make sure that the following the "packing list" listed OK. If any part is lost and damaged, please contact your local agent immediately. In addition, make sure that you have the tools install switches and cables by your hands.

- 1 x 8-Port Fast Ethernet Network Switch
- 1 x Power Supply
- 1 x Quick Start Guide



### 1.3 Hardware Specifications

Standards	IEEE802.3i, IEEE802.3u, IEEE802.3x, IEEE802.3az	
Interface	8 x 10/100Mbps Auto-Negotiation ports	
Network Media	10BASE-T: UTP category 3,4,5 cable (maximum 100m) 100BASE-T: UTP category 5, 5e cable (maximum 100m)	
MAC Address Table	1K	
Indicators	Per Device	Power: Green
	Per Port	10/100Mbps Link / Act: Green
Switching Capacity	1.6Gbps	
Packet Buffer	448Mbit	
Packet Forwarding Rate	745Kpps	
Jumbo Frame	1552Bytes	
Power Supply	DC 5V/550mA (External power adapter supply)	
Power Consumption	Maximum: 1.40W(5V DC)	
Dimensions (W x D x H)	140*67*26mm	
Environment	<ul style="list-style-type: none"><li>• Operating Temperature: 0°C - 40°C</li><li>• Storage Temperature: -40°C - 70°C</li><li>• Operating Humidity: 10%~90% non-condensing</li><li>• Storage humidity: 5%~90% non-condensing</li></ul>	

## 1.4 External Component Description

### Upper Panel

The upper panel of the Switch consists of a series of LED indicators



#### LED indicators:

The LED Indicators will allow you to monitor, diagnose and troubleshoot any potential problem with the Switch, connection or attached devices.

The following chart shows the LED indicators of the Switch along with explanation of each indicator.

LED Indicator	Faceplate Marker	Status	Indication
Power Indicator	Power	Off	Power Off.
		Solid green	Power On.
10/100 BASE-T adaptive Ethernet port indicators (1-8)	Link/Act	Off	Power Off.
		Solid green	Power On.
		Blinking	The port is transmitting or receiving data.

## Front Panel

The front panel of the Switch, contains of 8 x 10/100Mbps RJ-45 ports



### 10/100 Mbps RJ-45 ports (1~8):

Designed to connect to the device with a bandwidth of 10Mbps, 100Mbps. Each has a corresponding Link/Act indicator.

## Rear Panel

The rear panel of the Switch consists of one Grounding Terminal and a 5V DC power adapter interface



### Grounding Terminal:

Located on the left side of the rear panel, use wire grounding to lightning protection.

### DC Power Connector:

Located on the right side of the rear panel, power supply via external power adapter, using 5V/550mA external power supply.

## 2. Installing and Connecting the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please read the following topics and perform the procedures in the order being presented.

### 2.1 Installation

Please follow the following instructions in avoid of incorrect installation causing device damage and security threat.

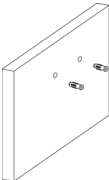
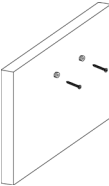
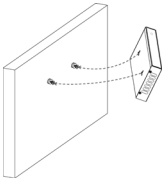
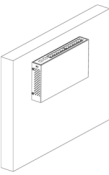
- Put the Switch on stable place or desktop in case of falling damage.
- Make sure the Switch works in the proper DC input range and matches the voltage labeled on the Switch.
- To keep the Switch free from lightning, do not open the Switch's shell even in power failure.
- Make sure that there is proper heat dissipation from and adequate ventilation around the Switch.
- Make sure the cabinet to enough back up the weight of the Switch and its accessories.

### 2.2 Desktop Installation

Sometimes users are not equipped with the 19-inch standard cabinet. So when installing the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of the external vibration. Allow adequate space for ventilation between the device and the objects around it.

## 2.3 Wall Installation

The Switch can also be installed on a wall. Two installing slots are provided on the bottom of the Switch for this purpose. Please make sure that the front panel is exposed in order to view the LEDs. Please refer to the illustration below:

<p><b>Step one:</b> Please drill two suitable holes, press two expansion tubes into the two holes respectively.</p>	
<p><b>Step two:</b> Insert the screw into the expansion tube.</p>	
<p><b>Step three:</b> Hang the switch on the two screws.</p>	
<p><b>Step four:</b> Installation is completed.</p>	



## 2.4 Power on the Switch

The Switch is powered on by the External DC adapter 5V/500mA power supply.

### **Please follow the next tips to connect:**

Use the standard DC adapter to connect one end of the power socket to the power DC interface of the back panel of the switch. And check the power indicator is ON or not. When it is ON, it indicates the power connection is OK.

## 2.5 Connect Computer (NIC) to the Switch

Please insert the NIC into the computer, after installing network card driver, please connect one end of the twisted pair to RJ-45 jack of your computer, the other end will be connected to any RJ-45 port of the Switch, the distance between Switch and computer is around 100 meters. Once the connection is OK and the devices are power on normally, the LINK/ACT status indicator lights corresponding ports of the Switch.

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