



Quick Installation Guide

16-Port 10/100Mbps Fast Ethernet Switch

Model# ASW316



Ver. 1A

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Preface**FCC Warning**

This device has been tested and found to comply with limits for a Class a digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the user's manual, may cause interference in which case the user will be required to correct the interference at his own expense.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

1 Introduction

Congratulations on your purchase of the 16-Port 10/100Mbps Fast Ethernet Switch! It is an easy-to-install network switch which helps you to extend your network structure quickly and reliably.

Purpose

This Quick Installation Guide tells you how to install your Switch and how to connect it to your Ethernet network.

Terms/Usage

In this manual, the term “Switch” (first letter upper case) refers to your 16-Port 10/100Mbps Fast Ethernet Switch, and “switch” (first letter lower case) refers to other Ethernet switches.

1.1 Hardware Interface

- 16-Port 10/100Mbps auto-negotiation RJ45 Ports
- All ports support auto MDI/MDIX, no need to use cross-over cables

1.2 Panels

1.2.1 Front Panel

The front panel of the Switch consists of LED indicators, and 16 10/100Mbps ports. The figure below shows the front panel of the Switch.

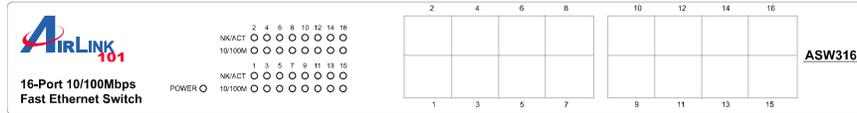


Figure 1-1 Front Panel view of the Switch

- 10/100Mbps Ports (Port 1~16): These ports support 10/100Mbps, and can operate in Half/Full Duplex transfer modes. These ports also support automatic MDI/MDI-X crossover detection, giving true “plug and play” capability.
- LED Indicators: Comprehensive LED indicators display the status of the switch and the network (see Section 1.2.3).

1.2.2 Rear Panel



Figure 1-2 Rear Panel view of the Switch

- AC Power Connector: Supports AC 100~240V, 50~60Hz.

**NOTICE:**

Do not envelop Radiator Fan while the Switch is working.

1.2.3 LED Indicators information

The front panel LEDs provide instant status feedback and help monitoring and troubleshooting when needed.

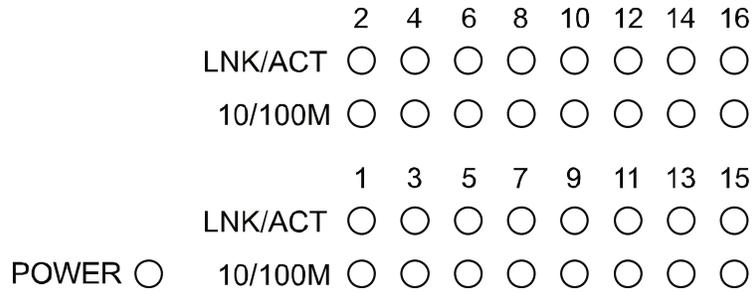


Figure 1-3 Front Panel view of the switch

- **POWER: Power Indicator**

LED	Color	Status		
		Solid	Blinking	Off
POWER	Green	The Switch is power-on	N/A	No power

- **Port 1~16 10/100M Status LEDs**

LED	Color	Status		
		Solid	Blinking	Off
LINK/ ACT	Green	The respective port is successfully connected to an Ethernet network.	The port is transmitting or receiving data on the Ethernet network.	No link
LED	Color	Status		
		Solid	Blinking	Off
10/100M	Green	The respective port is connected to the 100Mbps Ethernet network.	N/A	The respective port is connected to the 10Mbps Ethernet network, or no link.

1.3 Technical Specifications

Standards

- IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX and IEEE 802.3x Flow Control

Network Cables

- 2-pair UTP Cat. 5 or above, Twisted Pair (UTP)

Ports

- 16 x 10/100Mbps TX Auto-Negotiation RJ45 Port

Access Method

- CSMA/CD

Transmission Method

- Store and Forward

MAC Address Table

- 8K

Built-in Buffer

- 1.25M bits

Data Transfer Rate*

- Ethernet: 10/20Mbps – Half/Full-Duplex
- Fast Ethernet: 100/200Mbps – Half/Full Duplex

Physical and Environmental

- Power Input: 100~240V AC, 50~60Hz
- Operation Temperature: 0 °C ~ 50°C
- Storage Temperature: -20°C ~ 70°C
- Humidity: 10% ~ 90% RH, non-condensing

2 Installing the Switch

The site where you place the switch may greatly affect its

performance. When installing, take the following into your consideration.

2.1 Installation

Follow the guidelines below to install the Switch:

Install the Switch in a fairly cool and dry place. See the Technical Specifications for the acceptable temperature and humidity operating ranges. Install the Switch on a sturdy, level surface that can support its weight. Connect the power cord to the Switch and the power outlet. The distance is no more than 182cm.

Leave at least 10cm (about 4 inches) of space at the front and rear of the Switch for ventilation.

2.2 Desktop or Shelf Installation

When installing the Switch on the desktop or shelf, please attach the rubber feet to the Switch. Peel off the protective paper on the pads and attach them on the bottom of the Switch (one at each corner).

2.3 Power on the Switch

The Switch has a universal power supply ranging from 100V to 240V AC, 50 ~ 60Hz power source. The AC power connector is located at the rear of the unit adjacent to and the system fan. The switch's power supply will adjust to the local

power source automatically.

3 Connecting the Switch

This section describes how to connect the Switch to your 10/100Mbps Fast Ethernet network.

3.1 Connection



Your network device (i.e. computer, switch, IP Camera, VoIP) can be connected to any port of the Switch via a two-pair Category 5 Cable or above. If the LED indicators do not light up after making a proper connection, check your network device, the cable, the Switch conditions and connections.

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*Actual throughput varies. Network conditions and environmental factors as well as network overhead lower actual data throughput rate.

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