



## Quick Installation Guide

### **24-Port 10/100Mbps Switch +2 Gigabit Copper Ports**

Model# ASW24+2G



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.

## About This Guide

Congratulations on your purchase of the 24-Port 10/100Mbps Switch + 2 Gigabit Copper Ports! This device integrates 1000Mbps Gigabit and 100/10Mbps Fast Ethernet network capabilities in a highly flexible package.

### Purpose

This 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 24-Port 10/100Mbps Switch + 2 Gigabit Copper Ports, and “switch” (first letter lower case) refers to other Ethernet switches.

## 1 Introduction

### 1.1 Hardware Interface

- 24-Port 10/100Mbps+ 2-Port 10/100/1000Mbps auto-negotiation RJ45 Ports
- All ports support auto MDI/MDIX, no need to use cross-over cables

## 1.2 Panel

### 1.2.1 Front Panel

The front panel of the Switch consists of LED indicators, 24 10/100Mbps ports and 2 10/100/1000Mbps Gigabit ports. The figure below shows the front panel of the Switch.

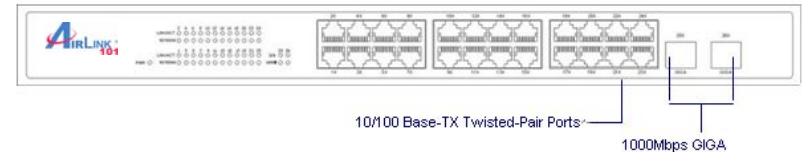


Figure 1-1 Front Panel view of the Switch

- 10/100Mbps Ports (Port 1~24): 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.
- 10/100/1000Mbps Gigabit Copper Ports (Port 25,26)
- 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.

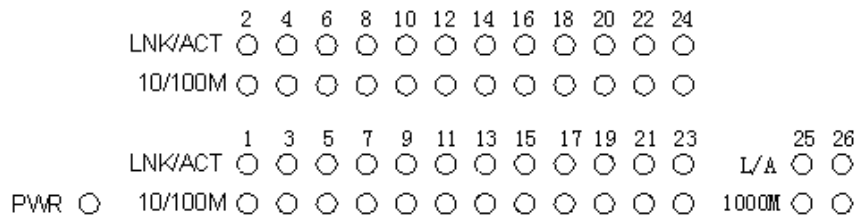


Figure 1-3 Front Panel view of the switch

- **POWER: Power Indicator**

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

- **Port 1~24 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.

- **Ports 25~26 1000M Status LEDs**

LED	Color	Status		
		Solid	Blinking	Off
L/A	Green	The respective port is successfully connected to	The port is transmitting or receiving data on the Ethernet	No link

		an Ethernet network.	network.	
1000 M	Green	The respective port is connected to the Gigabit Ethernet network.	The port is transmitting or receiving data on the 1000Mbps Ethernet network.	The respective port is connected to the 10Mbps or 100Mbps Ethernet network, or no link.

### 1.3 Technical Specifications

#### Standards

- IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX and IEEE 802.3ab 1000BASE-T

#### Network Cables

- Ethernet: Cables: 2-pair UTP Cat. 3, 4, 5, Twisted Pair (UTP)
- Fast Ethernet: 2-pair UTP Cat. 5, Twisted Pair (UTP)
- Gigabit Ethernet: 4-pair UTP Cat. 5 or above, Twisted Pair (UTP)

#### Ports

- 24-port 10/100Mbps TX Auto-Negotiation and 2-port 10/100/1000Mbps TX

#### Access Method

- CSMA/CD

#### Transmission Method

- Store and Forward

#### MAC Address Table

- 4K

#### Built-in Buffer

- 1M bits

#### Data Transfer Rate\*\*

- Ethernet: 10/20Mbps – Half/Full-Duplex
- Fast Ethernet: 100/200Mbps – Half/Full Duplex
- Gigabit Ethernet: 2000Mbps – 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: 5% ~ 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 Rack Installation

The Switch is rack-mountable and can be installed on an EIA

19-inch equipment rack. To do this, first install the mounting brackets on the Switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the Switch.

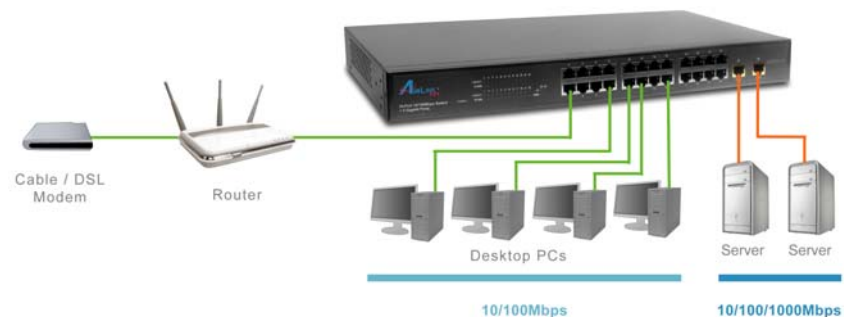
### 2.4 Power on the Switch

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 Gigabit/Fast Ethernet network.

### 3.1 Connection



Your network device (i.e. computer, switch, IP Camera) can

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

## **4** Technical Support

E-mail: [support@airlink101.com](mailto:support@airlink101.com)

Toll-Free: 1-888-746-3238\*

Web Site: [www.airlink101.com](http://www.airlink101.com)

\* Free Voice Technical Support is only available within the hardware warranty (1-Year Limited Warranty from the date of purchase). Customer is required to provide invoice as purchase evidence.

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

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