



## Quick Installation Guide

# 24-Port 10/100Mbps Green Switch

Model# ASW324v2



Ver. 1A

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## **Preface**

### **FCC Warning**

This device has been tested and found to comply with limits for 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.

# Introduction

Congratulations on your purchase of the 24-Port 10/100Mbps Green Switch! It is an easy-to-install network switch which helps you to extend your network structure quickly and reliably. The 24-Port 10/100Mbps Green Switch is designed for energy saving, easy installation and high performance in an environment where network traffic and the number of users increase continuously. You can add other Ethernet devices like computers, IP cameras, and Network Attached Storage (NAS) onto your network quickly and easily. The Green EEE (Energy Efficient Ethernet) technology of ASW324v2 automatically reduces the power consumption when any connected port is detected inactive (idle or cable-unplugged) and it intelligently allocates less power to any port that connects with an Ethernet cable shorter than 20m (66 ft)\*.

Before you start installation, please check the package contents:

## Package Contents:

- 24-Port 10/100Mbps Green Switch
- Power Cord
- Quick Installation Guide
- Brackets and Screws

# Section 1

## Hardware Description

### 1.1 Hardware Interface

- 24 x Port 10/100Mbps auto-negotiation RJ45 port
- 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, and 24 10/100Mbps ports. The figure below shows the front panel of the Switch.

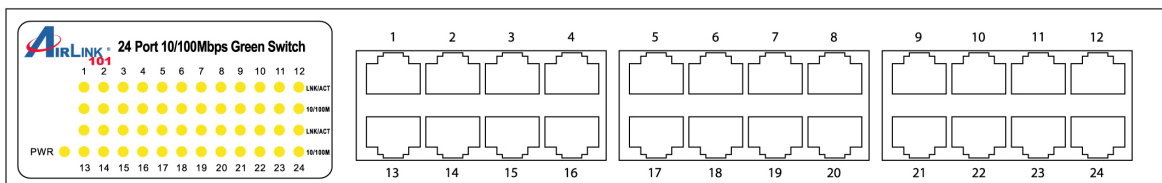


Figure 1-1 Front Panel View of the Switch

- 10/100Mbps Ports (Port 1~24): These ports support 10/100Mbps, and can operate in Half/Full Duplex transfer modes. These ports also support automatic MDI/MDI-X crossover detection, offering true “plug and play” function.
- 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.

***i* NOTE:**

Do not cover or put anything on or surrounding the Switch while the Switch is operating.

## 1.2.3 LED indicators information

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

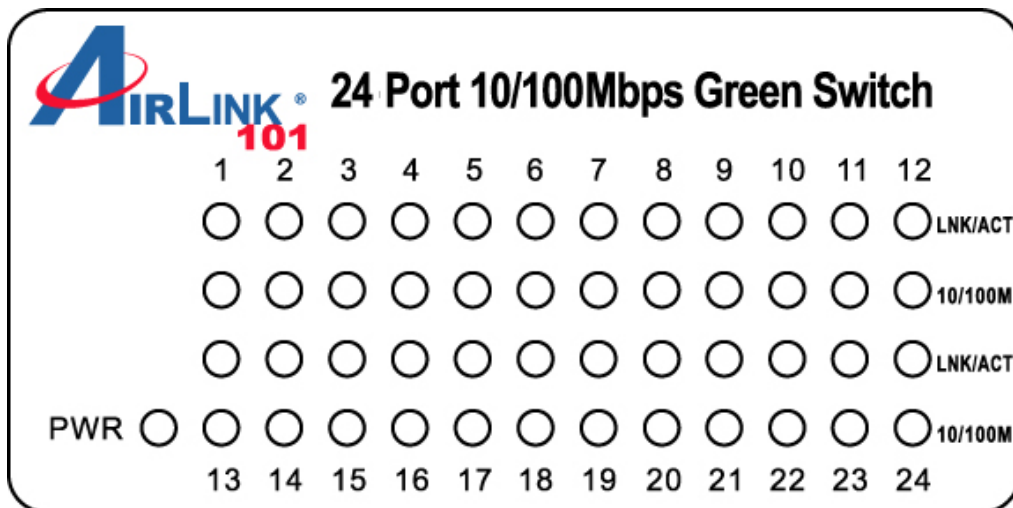


Figure 1-3 Front Panel View of the Switch

- **POWER: Power Indicator**

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

- **Port 1~24 10/100Mbps Status LEDs**

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

## Section 2

### Installing the Switch

The site where you place the Switch may greatly affect its performance.

#### 2.1 Installation

Please follow the guidelines below to install the Switch:

- Please install the Switch in a fairly cool and dry place. Please refer to the Technical Specifications for the acceptable temperature and humidity operating ranges.
- Please install the Switch on a sturdy, level surface that can support its weight.
- When connecting the power cord to the Switch and the power outlet, the distance should be no more than 182cm.
- Please 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 to 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 11-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**

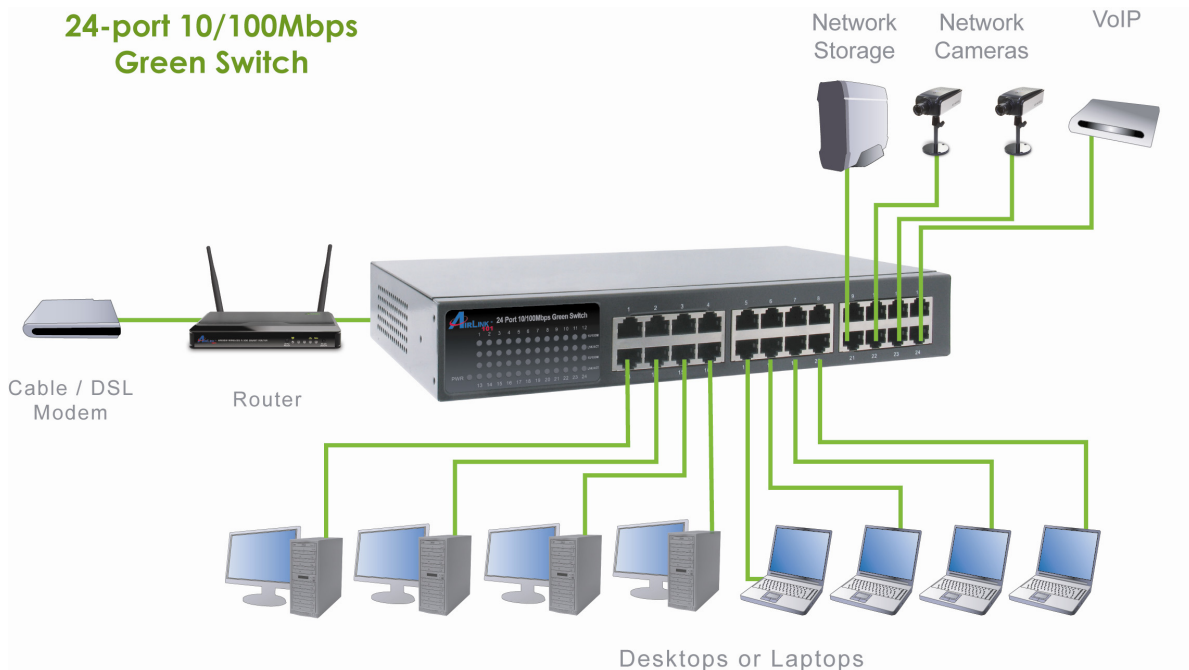
The Switch has a universal power supply ranging from 100V to 240V AC, 50 ~ 60Hz power source. The AC power connector is located at the rear of the unit. The Switch's power supply will adjust to the local power source automatically.



## Section 3

### Connecting the Switch

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



Your network device (i.e. computer, switch, IP Camera, VoIP) can be connected to any port of the Switch via a two-pair UTP Category 5 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.

## Section 4

# Troubleshooting

1. Power LED is not on
  - Check if the power adapter is properly connected to the power outlet. Make sure the power jack is firmly plugged into the power socket of the switch.
2. Link/Activity is not lit when connect to 10/100Mbps device
  - Made sure that the network device attached to the switch is turned ON.
  - Check the network cable; make sure it is properly connected to the switch and the network device.
  - Check the network cable; make sure the Ethernet cables comply with the specifications described in Section 2.

## Section 5

# Technical Specifications

### Standards

- IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3x Flow Control and IEEE 802.3az(EEE – Energy Efficient Ethernet)

### Network Cables

- Ethernet (10Base-T): Cables: 2-pair UTP Cat. 3, 4, 5, Twisted Pair (UTP). Up to 100m
- Fast Ethernet (100Base-T): 2-pair UTP Cat. 5, Twisted Pair (UTP). Up to 100m

### Ports

- 24 x 10/100Mbps Auto-Negotiation RJ45 Port

### Access Method

- CSMA/CD

### Transmission Method

- Store and Forward

### Data Transfer Rate\*\*

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

### LED

- Power: Green
- Link/Activity: Link/Activity (Green)  
10/100M (Green)

### Rack Mount

- 11-Inch Rack-Mountable with mounting kits

### Dimensions

- 280mm x 165mm x 45mm (LxWxH)

### **Weight**

- 1400g (3 lb)

### **Physical and Environmental**

- Power Input: 100~240V AC, 50~60Hz
- Operation Temperature: 0 °C ~ 40°C(32°F ~ 104°F)
- Storage Temperature: -20°C ~ 70°C(-4°F ~ 158°F)
- Humidity: 5% ~ 90% RH, non-condensing

### **Certification**

- FCC, CE

## Section 6

# 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 can lower actual data throughput rate.

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