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# Quick Installation Guide

FriendlyNET 16 and 24-Port  
10/100 Workgroup Switches  
(Desktop/Rackmount)

FS4116R



FS4124R

# Introduction

Thank you for purchasing an Asanté FriendlyNET 10/100 workgroup switch. This switch is simply the most affordable, powerful 10/100 Fast Ethernet solution for connecting desktops, high-performance servers and workstations.

This switch has the following key features:

- Complies with IEEE 802.3 10BaseT Ethernet and 802.3u 100BaseTX Fast Ethernet standards.
- IEEE 802.3x compliant flow control for full duplex and Backpressure for half duplex.
- Easiest and most economical way to build or expand your network.
- All ports support 10BaseT/100BaseTX and Full/Half-Duplex Auto-negotiation function.
- All ports support Auto-MDI/MDI-X function (Auto-Uplink).™
- Extensive front-panel diagnostic LEDs.
- Supports store-and-forward switching architecture.
- Rugged 19" rackmount design.

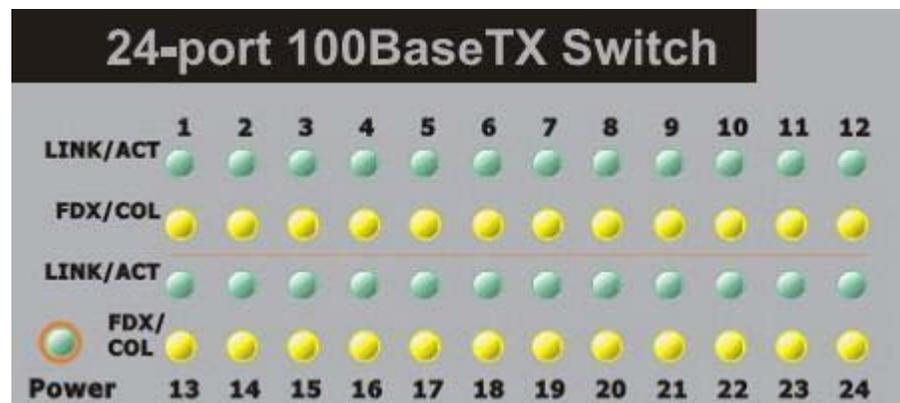
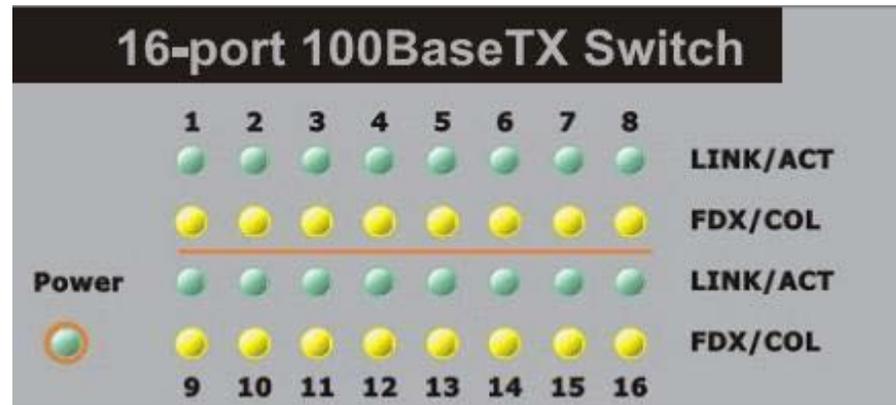
## Packing List

Your package contains the following items:

- (1) FriendlyNET Fast Ethernet Switch
- (1) AC power cord
- (2) Rackmount brackets
- (4) Rubber feet

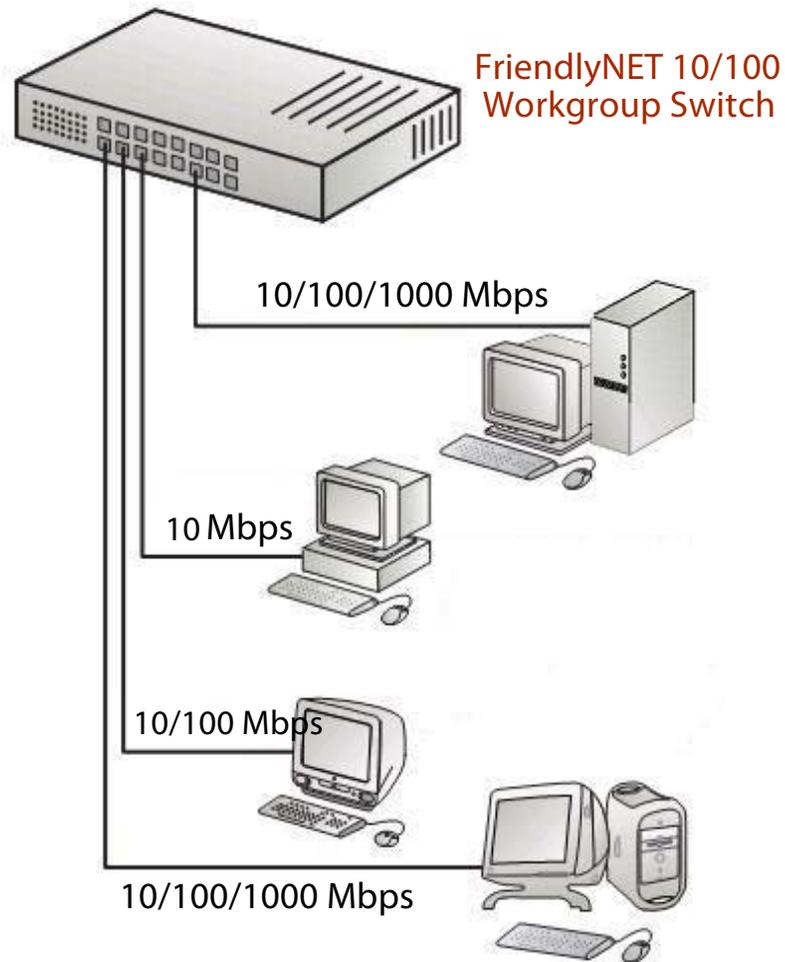
# LED Indicators

LED	Color	Function
Power	Green	<b>Lights</b> to indicate that power is being supplied to switch.
LINK/ACT	Green	<b>Lights</b> to indicate a functional network link through the corresponding port with an attached device. <b>Blinks</b> to indicate that the switch is actively sending or receiving data over the port.
FDX/COL	Yellow	<b>Lights</b> to indicate that the full duplex transfer mode is used. <b>Blinks</b> to indicate that the port has experienced data collision error.



# Connecting to Network Devices

If you are connecting several workstations and a server, you can build the network using the switch as shown below.



**A Simple Network Topology**

# Product Specifications

**Standards:** IEEE 802.3, IEEE 802.3u, IEEE 802.3x  
**Interface:** FS4116R - 16 RJ-45 ports with Auto-MDI/MDI-X  
FS4124R - 24 RJ-45 ports with Auto-MDI/MDI-X

## Switch

**Architecture:** Store and Forward

**MAC Address:** FS4116R: 4K  
FS4124R: 4K

**Buffer Memory:** FS4116R: 1.5M  
FS4124R: 1.5M

**Nway Auto-Negotiation:** All ports  
**Full-Duplex/  
Half-Duplex:** All ports

**LEDs:** Power, Link/Activity, FDX/COL  
**Power:** 100~240V AC, full range internal power supply

**Physical Dimensions:** 10.5in x 6.8in x 1.8in (W x D x H)  
267mm x 175 mm x 44 mm (W x D x H)

**Weights:** FS4116R: 1.2kg/2.65lb  
FS4124R: 1.3kg/2.87lb

**Operating Temperature:** 0°C to 40°C (32°F to 104°F)

## Storage

**Temperature:** -40°C to 70°C (-40°F to 158°F)  
**Humidity:** 20% ~ 85% relative humidity, non-condensing

**EMC Certification:** FCC Class A, CE

**Visit Asante online at [www.asante.com](http://www.asante.com)**

Phone: 408-435-8388 (Worldwide)

# FCC Compliance Statement

This hardware device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If you suspect this equipment is causing interference, turn your unit on and off while your radio or TV is showing interference. If the interference disappears when you turn the unit off and reappears when you turn the unit on, something in the unit is causing interference. You can try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna;
2. Increase the separation between the equipment and the receiver;
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected;
4. Consult the place of purchase or an experienced radio/television technician for additional suggestions.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Safety Advisory

1. This product should be operated from the type of power source indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
2. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
3. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
4. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to service personnel.