



Quick Installation Guide

EtherFast 10/100M Switch

Model No.: SP624R

<http://www.micronet.info>

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Introduction

Micronet SP624R 10/100M Switch provides powerful, high-performance Ethernet switch, with all ports capable of 10 and 100M auto-negotiation operation. With its intelligent addressing engine, it provides users with a wire-speed filtering and forwarding of the traffic. All ports support auto-uplink detection, so users don't have to worry about the cable type. Each port will automatically communicate for best speed and to run in half- or full-duplex mode. Store-and-forward switching prevents damaged packets and network errors from being passed on into the network.

Package Contents

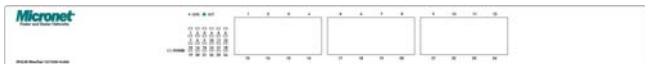
Before you start installing the device, verify the following items are in the package:

- EtherFast 10/100M Switch
- Quick installation guide
- Rack-mount accessories
- Power cord

Features

- Compliant with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX and IEEE802.3x flow control
- Support auto-negotiation function to automatically select optimal speed (10/100M) and mode (Full/Half Duplex)
- Support auto uplink, no more cross-over cable
- Support 802.3x flow control for full-duplex mode and back-pressure flow control for half-duplex mode
- Forward and filter packets at non-blocking, full wire speed
- Standard 19" rack-mount size
- 100 - 240V AC, universal internal power supply

Physical Description



SP624R front view

Please refer to the following table for LED definition.

LED	Status	Operation
POWER	On	Power is on.
	Off	Power is off.
LNK/ACT	On/Green	Connection established.
	Blink/Green	Transmitting or receiving data.
	Off	No link.

Installation

- **Rack Mounting**

The switch can be mounted in an EIA standard 19-inch rack, which can be placed in a wiring closet with other equipment. Attach the mounting brackets at the switch's front panel (one on each side), and secure them with the provided screws. Then, use screws provided with the equipment rack to mount each switch in the rack.

- **Connecting your network**

The switch provides up to 24 ports for 10/100BaseTX. Just connect each station to the switch by twisted-pair cable. Plug one RJ-45 connector into a RJ-45 port of the switch, and plug the other RJ-45 connector into the station's network adapter. Power on the switch and then system is ready.

In making a switch interconnection, you could use any port to connect another switch with straight or crossover cable.

For cable selection, refer to the following table :

Network Speed	Connector	Cable Type	Max. Length
10BaseT	RJ-45	Cat. 3, 4, 5 UTP/STP	100 m
100BaseTX	RJ-45	Cat. 5 UTP/STP	100 m

Note: To prevent costly equipment damage and downtime, please consider installing a surge suppression device or a UPS (Un-interrupted Power Supply).

Specifications

Standard	IEEE802.3, IEEE802.3u, IEEE802.3x, compliant
Interface	24 * 10/100M RJ-45 ports
Cable Connections	10BASE-T: Cat. 3, 4, 5 UTP/STP 100BASE-TX: Cat. 5 UTP/STP
Data Transfer Rate	10M(Half duplex)/20M(Full duplex) 100M(Half duplex)/200M(Full duplex)
Uplink	Auto Uplink (Auto MDI / MDI-X)
Switch Fabric	4.8Gbps
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Emission	FCC, CE
Operating Temperature	0° - 40° C (32° - 104° F)
Operating Humidity	10% - 90% (Non-condensing)
Dimension & Weight	441 x 130 x 44 mm
Power Supply	100 ~ 240V AC, 50/60Hz Full range internal power supply

CE Mark Warning

This equipment complies with the requirements relating to electromagnetic compatibility, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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