Mico-*Switch/8*

8 Port 10/100Base-TX Switch

(Auto MDI/MDIX)

FEP-32008T-3

USER'S MANUAL

Package Contents

Package contents include the following:

- ■ **Micro-Switch/8**; 8 Port 10/100Base-TX Switch
- ■ DC power adapter
- ■ Four (4) adhesive-backed rubber feet
- ■ User's manual
- ■ Warranty card

| **Micro-Switch/8**
8 port Switch | **User's Guide** | **Rubber feet** | **Power Adapter** |

Figure 1. Contents of package

IMPORTANT: If any piece is missing or damaged, please contact your local dealer or reseller for service.

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For Your Records

Product Name: _____

_____

Serial Number: _____

Date of Purchase: _____

Purchased from: _____

Notes: _____

_____

_____

Introduction

The 8 port **Mico-Switch/8** (Auto MDI/MDIX) is a compact Fast Ethernet switch that provides wire-speed, a Fast Ethernet switching function which allows high-performance, low-cost connections to Full-duplex, Half-duplex 10Mbps and 100Mbps Ethernet networks. The **Mico-Switch/8** delivers all the advantages of a switching hub in a compact desktop size and is ideal for small office or SOHO network users. It's also wall mountable which conserves office space.

This Switch provides eight auto-sensing 10/100Mbps Ethernet RJ-45 ports which automatically detect the speed of the devices that you plug into them. This switching function allows 10Mbps, 100Mbps, Full-duplex and Half-duplex devices to communicate on the same network without having to replace any infrastructure. This flexible feature allows your network a timely, economical migration to 100Mbps Fast Ethernet.

Key Features

- ■ Conforms to IEEE802.3, 802.3u, 802.3x
- ■ Automatic MDI/MDIX crossover for all ports
- ■ N-Way Auto-negotiation for 10/100Mbps transmissions
- ■ Space-saving compact size
- ■ Store-and-Forward switching architecture
- ■ Auto-detection of full/half-duplex mode in all ports
- ■ Plug-and-Play configuration auto address learning
- ■ 768Kbit packet buffer
- ■ LED indicators for Power, Link/activity, and Full Duplex/Collision

For full coverage of your warranty, be sure to register your product using the enclosed registration card.

Hardware Description

The Front Panel

The front panel consists of LED Indications.

LED Indicators
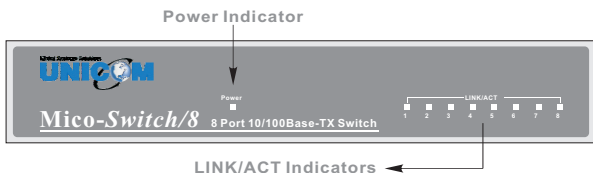
Per Device: Power
Per Port: LINK/ACT (Link/Activity)

Power Indicator

LINK/ACT Indicators

Figure 2.   Front panel view of LED indications

LED	Status	Color	Description
Power	On	Green	The switch is supplied with suitable power.
LINK/ACT	On	Green	The port is connecting at 10Mbps.
	Blinks	–	The port is receiving or transmitting data.
	Off	–	The port is not linked successfully with the device.

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The Real Panel

The rear panel view of the Mico-Switch/8 consists of a DC power connector and 8 auto-sensing ports.
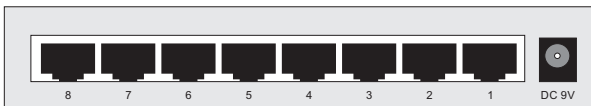

Figure 3.   Rear panel view of the **Micro-Switch/8**

■   RJ-45 Ports (Auto MDI/MDIX)
8 auto-sensing ports of 10/100 N-way for 10Base-T or 100Base-TX connections. [*In general, MDI means connecting to another Hub or Switch while MDIX means connecting to a workstation or PC. Therefore, Auto MDI/MDIX means that you can connect to another Switch or workstation without changing pin-to-pin or crossover cabling.*]

■   DC Power Connector
Plug the female connector into the switch and male connector into a power outlet. **Supports input voltages 9 VDC at 700 mA.**

Troubleshooting

The Switch can be easily monitored through panel indicators to assist in identifying problems. This section describes common problems you may encounter and possible solutions.

■ *Power*

If the power indicator does not light when the power cord is plugged in, you may have a problem with the power outlet or cord. However, if the power LED goes off after running for a while, check for loose power connections, power losses or surges at the power outlet. Turn off power, wait 30 seconds and turn power on again. If problem is still not resolved call for dealer's assistance

■ *Diagnosing LED Indicators*

If link indicator does not light after making a connection, check whether network interface (e.g., a network adapter card on the attached device), network cable, or switch port is defective. Be sure the cable is plugged into both the switch and corresponding device. Verify the proper cable type is used and its length does not exceed specified limits.

■ *Cabling*

Verify that the cabling type is correct. Make sure all cable connectors are securely seated in the required ports. Use only standard Unshielded Twisted-Pair (UTP), Category 3, 4, 5, or 5e cables. Use only Category 5 or 5e when connecting with Fast Ethernet. Make certain the maximum distance between the Switch and what it's connected to is 100 meters or less.

NOTE: Do not plug a standard telephone cord into an RJ-45 port. This may damage the switch

Product Specifications

Standard Compliance:	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX Fast Ethernet
	IEEE 802.3x Flow Control
Portocol:	CSMA/CD
Transfer Rate:	14,880 pps for 10Mbps
	148,800 pps for 100Mbps
Connector:	RJ 45
	Auto MDIX on all ports
MAC Address:	1K Mac address table
Memory Buffer:	768KBits
LED Indicator:	Per port: Link/Activity
	Per unit: Power
Network Cable:	*10Base-T:* 2-pair UTP Cat. 3,4,5e cable
	(100m), EIA/TIA-568 100-ohm STP (100m)
	100Base-T: 2-pair UTP Cat. 5e cable (100m),
	EIA/TIA-568 100-ohm STP (100M)
Dimension:	137mm x 74mm x 24mm (W x D x H)
Operating Temp:	0℃ to 45℃（32℉ to 113℉）
Operating Humidity:	10% to 90% (Non-condensing)
	External power supply
Power Supply:	DC 9V, 700mA
Power Consumption:	5.8 Watt @ AC 240V/60Hz (Maximum)
EMI:	FCC Class B
	CE

FCC Statement

This equipment has been tested and found to comply with the limits for a class B device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, the user will be required to correct the interference at the user's expense.

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