

# Micro-Switch/8

## 8 Port 10/100 Base-TX Fast Ethernet Switch

*Perfect for Home/Small Office*

### Features

- Conforms to IEEE 802.3, 802.3u, and 802.3x standards
- 8 N-way 10/100TX Ethernet RJ-45 ports
- Automatic MDI/MDIX Crossover\* for 10Base-T & 100Base-TX ports
- Back pressure for Half-duplex, Flow control for Full-duplex
- Store-and-forward switching architecture
- Port-Based Priority (CoS)
- Non-blocking and Full wire speed forwarding rate
- 768K DRAM frame buffer
- 1K-entry MAC address table
- Durable metal case



**Micro-Switch/8**  
 8 Port 10/100Base-TX Fast Ethernet Switch  
 FEP-32008T-2

PART NUMBER	DESCRIPTION
FEP-32008T-2	8-Port 10/100Base-TX Fast Ethernet Switch

Unicom's Micro-Switch/8 is a compact 8 Port 10/100 Fast Ethernet Switch designed for small work groups. This switch provides eight N-Way 10/100Mbps RJ-45 ports with an Auto MDI-MDIX Crossover function and will automatically detect the speed of the device that you plug into it allowing you to use both 10Mbps and 100Mbps.

The Micro-Switch/8 has a dedicated 10/100Mbps bandwidth. The full-duplex operation mode effectively doubles the bandwidth for each port. It can increase the bandwidth of the 10M Ethernet port and the 100Mbps Fast Ethernet port to 20Mbps and 200Mbps, respectively. To enhance the packet transmission, this switch supports IEEE 802.3 full-duplex flow control and half-duplex back pressure congestion control. In addition, the Micro-Switch/8 executes the method of store-and-forward by auto-learning and stores source addresses on a 1K-entry MAC address table.

### Port-Based Priority CoS

Class of Service (CoS) is a way of managing traffic in a network by grouping similar types of traffic together (i.e., e-mail, streaming video, voice, large document file transfer, etc.) and treating each type as a class with its own level of service priority. When port-based priority is applied, packets received from the high-priority port are sent to the high-priority queue of the destination port.

### SPECIFICATIONS

<b>Standard Compliance:</b>	IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3x Flow Control and Back-pressure IEEE 802.1p CoS ANSI-IEEE Standard 802.3 N-Way Auto-Negotiation
<b>Interface:</b>	Eight (8) Auto-sensing RJ-45 Jacks (Port 7 & 8 CoS)
<b>Protocol:</b>	CSMA/CD
<b>Transfer Rate:</b>	14,880 pps for 10Mbps, 148,800 pps for 100Mbps
<b>LED Indicators:</b>	Per port: Link/Activity, Per unit: Power
<b>Dimensions:</b>	139mm x 66mm x 22mm (W x D x H)
<b>Operating Temperature:</b>	0°C - 45°C (32°F - 113°F)
<b>Operating Humidity:</b>	10% to 90% (Non-condensing)
<b>Power Supply:</b>	External power supply, DC 9V, 700mA
<b>EMI:</b>	FCC Class B, CE Mark
<b>Power Consumption:</b>	5.8W (Maximum)
<b>Mac Address:</b>	1K Mac address table
<b>Memory Buffer:</b>	768KBits
<b>Warranty:</b>	Lifetime Warranty