

commercial grade 8 port managed  
Ethernet switch with (8) 10/100TX ports



## Description

The ComWorx™ CWFE8TX8MS Managed Ethernet Switch provides transmission of 100 BASE-TX Ethernet data. These units are available for use with conventional CAT-5e copper transmission media. Up to 8 electrical ports are available for easily implementing point-to-point, linear add-drop, drop-and-repeat, star or true self-healing ring and mesh network system architectures. The electrical ports support the 10/100 Mbps (100 BASE-TX) Ethernet IEEE 802.3 protocol, and auto-negotiating and auto-MDI/MDIX features are provided for simplicity and ease of installation. Plug-and-play design ensures ease of installation, and no electrical adjustments are ever required. The CWFE8TX8MS incorporates LED indicators for monitoring the operating status of the managed switch and network. This switch can be mounted within any standard 19-inch equipment rack using the ComNet RMB Rack Mount Bracket Adaptor Kit (sold separately).

## Applications

- Industrial and Factory Automation
- Integrated IP-Video and Data Transmission Networks
- Industrial Security Access Control Systems

## Features

- Commercial Grade
- Ambient operating temperature range: 0° C to +50° C
- 10/100 BASE-TX compatible
- Stand alone mounting
- Fully configurable through web-based or SNMP network management
- IGMP Snooping V1/V2 for multicast filtering and IGMP Query V1/V2
- Port based VLAN (IEEE 802.1Q)
- Internal Power Supply 100-240VAC Input
- Five Year Warranty

specifications

software features

<b>Management</b>	1. Web management (IE) 2. RS-232 console management (Rear side) 3. Telnet
<b>Trunk</b>	IEEE 802.3ad Trunk with LACP for load distribution control and fail over recover Up to 4 ports per group, max 4 Groups
<b>Class of Service</b>	Global system supports 2 queues for Hi and Low priority.
<b>QoS</b>	Global System support 8 levels of priority and mapping to Hi/Low priority queue for Class of Service
<b>VLAN</b>	Port based VLAN, 802.1Q Tag VLAN, Protocol Type VLAN, GVRP support VLAN ID up to 4094, VLANs up to 256 groups
<b>DHCP</b>	Support DHCP client
<b>IP Multicast</b>	Support IGMP Snooping, supports 256 groups. Support 2 types of Query mode for Enable/Disable or Auto Query
<b>Filter Database</b>	Support port static MAC address lock, MAC Filter, Port Security.
<b>Port Mirror</b>	Online traffic monitoring on up to eight ports.
<b>Broadcast Control</b>	None, 5%, 10%, 15%, 20%, 25%
<b>Spanning Tree</b>	IEEE802.1d support
<b>RFC Standard</b>	RFC 768 UDP, RFC 783 TFTP, RFC 791 IP, RFC792 ICMP, RFC 854 TELNET Server/Client, RFC 1112 IGMP, RFC 2068 HTTP, RFC 2674 VLAN MIB, RFC 1493 Bridge MIB, RFC 1157 SNMP, RFC 1213 MIB II, Bridge MIB, RFC 1643 Ethernet Like, RFC 1757 RMON1, LANTECH Enterprise MIB, RFC 1215 Trap.

specifications

<b>Protocol</b>	CSMA/CD
<b>Connector</b>	8 RJ45 for 10/100Mbps
<b>Technology</b>	Store-and-Forward switching architecture
<b>Transfer Rate</b>	14880 packets per second for 10Mbps 148800 packets per second for 100Mbps
<b>Network Cables</b>	UTP/STP Cable: 100Meters
<b>MAC Address</b>	8K MAC address Table
<b>Data Buffer</b>	2Mbits
<b>Switch Technology</b>	Non-blocking Store-and-Forward w/ 1.6Gbps Switch Fabric
<b>LED</b>	Per unit: Power Per RJ45 port: Link/Activity, 100Mbps, Full duplex/Collision
<b>Power Supply</b>	100~240VAC, 50/60 Hz
<b>Power Consumption</b>	17 Watts
<b>EMI &amp; Safety</b>	FCC Class A, CE, UL, cUL
<b>IEEE Standards</b>	IEEE802.3, 802.3u IEEE802.3x Flow control and Back pressure IEEE802.1D Spanning Tree protocol (Rapid Spanning Tree Not Supported) IEEE802.1Q VLAN Tagging IEEE802.1p Class of Service IEEE802.3ad Link aggregation

ELECTRICAL & MECHANICAL

<b>Power Supply Rated to:</b>	100~240VAC, 50/60 Hz
<b>Power Consumption:</b>	17 Watts Max.
<b>Voltage Regulation:</b>	Solid-State
<b>Circuit Board:</b>	Meets IPC Standard
<b>Size (in./cm) (LxWxH):</b>	9.85 × 5.25 × 1.5 in., (250 × 133 × 37 mm)
<b>Shipping Weight:</b>	<3 lbs./1.3 kg

ENVIRONMENTAL

<b>MTBF:</b>	>100,000 hours
<b>Operating Temp:</b>	0° C to + 50° C
<b>Storage Temp:</b>	-40° C to +85° C



Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J  
In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

PART NUMBER	DESCRIPTION
CWFE8TX8MS	commercial grade 8 port managed Ethernet switch with (8) 10/100TX ports
OPTIONAL	Rack Mount Bracket Adaptor Kit – with mounting hardware (Optional, order model RMB-1)