



The ComNet™ 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. This switch can be mounted within any standard 19-inch equipment rack using the ComNet RMB Rack Mount Bracket Adaptor Kit (sold separately).

## 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
- › Indicating LEDs provide rapid indication of critical operating parameters
- › Five Year Warranty

## APPLICATIONS

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

## SPECIFICATIONS

### Software Features

Management	1. Web management (IE) 2. RS-232 console management (Rear side) 3. Telnet
Trunk	IEEE 802.3ad Trunk with LACP for load distribution control and fail over recover. Up to 4 ports per group, max 4 Groups
Class of Service	Global system supports 2 queues for Hi and Low priority.
Qos	Global System support 8 levels of priority and mapping to Hi/Low priority queue for Class of Service
VLAN	Port based VLAN, 802.1Q Tag VLAN, Protocol Type VLAN, GVRP support VLAN ID up to 4094, VLANs up to 256 groups
DHCP	Support DHCP client
IP Multicast	Support IGMP Snooping, supports 256 groups. Support 2 types of Query mode for Enable/Disable or Auto Query
Filter Database	Support port static MAC address lock, MAC Filter, Port Security.
Port Mirror	Online traffic monitoring on up to eight ports.
Broadcast Control	None, 5%, 10%, 15%, 20%, 25%
Spanning Tree RFC Standard	IEEE802.1d support 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

Protocol	CSMA/CD
Connector	8 RJ45 for 10/100Mbps
Technology	Store-and-Forward Switching Architecture
Transfer Rate	14880 packets per second for 10Mbps 148800 packets per second for 100Mbps
Network Cables	UTP/STP Cable: 100Meters
MAC Address	8K MAC address Table
Data Buffer	2Mbits
Switch Technology	Non-blocking Store-and-Forward w/ 1.6Gbps Switch Fabric
LED	Per unit: Power Per RJ45 port: Link/Activity, 100Mbps, Full duplex/Collision
EMI & Safety	FCC Class A, CE, UL, cUL
IEEE Standards	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

Power Supply Rated to	100~240VAC, 50/60 Hz
Power Consumption	17 W Max.
Voltage Regulation	Solid-State
Circuit Board	Meets IPC Standard
Size (L x W xH)	9.85 x 5.25 x 1.5 in (25.0 x 13.3 x 3.7 cm)
Shipping Weight	<3 lbs./1.3 kg

### Environmental

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



## ORDERING INFORMATION

Part Number	Description
CWFE8TX8MS	Commercial grade 8 port managed Ethernet switch with (8) 10/100TX ports
Options	Model RMB-1: Rack Mount Bracket Adaptor Kit - with mounting hardware (Extra Charge, Consult Factory)

