

Commercial Grade Managed Layer2 Ethernet Switch with $8 \times 10/100/1000$ Base-TX + 2 $\times 100/1000$ Base-FX SFP Ports

CWGE10FX2TX8MS





The ComNet CWGE10FX2TX8MS has eight 10/100/1000Base-TX RJ-45 ports and two 100/1000Base-FX SFP ports. All SFP ports utilize ComNet SFP* modules for fiber, connector type and distance. The IEEE802.3-compliant unit offers multiple Ethernet redundancy protocols (RSTP & STP) which protect your applications from network interruptions or temporary malfunctions by redirecting transmission within the network. The CWGE10FX2TX8MS implements ACLs to restrict access to your sensitive network resources by filtering specific packets based on TCP/UDP ports, source and destination IP addresses or particular network devices.

FEATURES

- > 10 Gbps Ports: 8 × 10/100/1000Base-TX RJ-45 Ports 2 x 100/1000Base-FX SFP Ports
- > Provided SSH protocol enhances network security
- > Supports Device Binding security function
- Internal 100-240 VAC Power Supply
- Supports SNMP v1/v2c & RMON & 802.1Q VLAN Network Management
- > Supports ACL for security
- › Supports 10K Bytes Jumbo Frame

- Multiple notifications warn of unexpected events
- Web-based, Telnet, Console (CLI), and Windows-based utility (eConsole) monitoring
- > IEEE 802.3AZ Energy Efficient Ethernet-Compliant
- > Supports LLDP Protocol
- > 19 inch rack mountable design
- > RSTP/STP (IEEE 802.1w/D)
- * Small Form-Factor Pluggable Module. Sold separately.

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SPECIFICATIONS

Connectors

10/100/1000Base-TX Ports: 100/1000Base-X Ports: Serial Console Port:

8 × RJ-45 $2 \times SFP^1$ 38400bps, 8, N, 1

Switch Properties

Switching latency: Switching bandwidth: L2 Forwarding: Packet Buffer: Max. Available VLANs: IGMP multicast groups: Port rate limiting: Processing: Priority Queues : Network Redundancy: MAC Table : Jumbo Frame:

Enhanced Function

Hardware Monitor IGMP Statistics/Group Filter SNTP

Network Function

Loop detection with recover timer Static/LACP Trunking IGMP Snooping v1/v2/v3 Flow Control

Network Management

Local Console CLI through Console and Telnet SNMP v1/v2c Web-based GUI Port-based Mirroring System Log **SNMP** Trap RMON Monitor alarm **DDMI** support **Configuration Backup/Restore** Firmware upgrade Management VLAN LLDP E-Mail Alerts

ACL

User Security

comne

Static MAC Forwarding SSH

RS-232 in RJ-45 connector with console cable.

7 µs 20 Gbps 14.9 Mpps 4.1 Mbit 256 256 User Defined Store-and-Forward 4 Dual Homing STP RSTP **8K MAC Addresses** Up to 10K Bytes

MAC-based VLAN IGMP Message Filter Port Alias

Traffic Management and QoS **Rate Limitation** Tag Based/Port-Based VLAN

256 Active VLAN Support Traffic Classification QoS Scheduler SP/WRR

Power

Input Power: Power Consumption: Overload Current Protection:

Mechanical

Indicating LEDs: Size: Installation: Cooling: Weight:

Environmental

MTBF: Storage Temperature: **Operating Temperature: Operating Humidity:**

>100,000 hours -20° C to 70° C -20° C to 60° C 10% to 80% non-condensing

802.1p Priority Queues per port Network Storm Control

10 Watts

Passive Cooling

2.6 lb / 1.2 kg

Present

100~240 VAC at AC Input with power cord

Power, Post, Alarm, 1000Mb, Link/Act

Desktop or 19-inch Rack Mount

10.55 × 5.04 × 1.73 in (26.8 × 12.8 × 4.4 cm)

Ethernet Standards

IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1D for STP (Spanning Tree Protocol) IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1AB for LLDP (Link Layer Discovery Protocol) IEEE 802.3az Energy Efficient Ethernet

Regulatory Compliance

EMI:	
EMS:	
Safety:	

FCC Part 15, CISPR (EN55022) class A EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 EN60950-1





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ORDERING INFORMATION

Part Number	Description	100/1000Base-X Ports ¹	10/100/1000Base-TX Ports
CWGE10FX2TX8MS	Commercial Grade 10 Port Gigabit Managed Ethernet Switch	2	8

[1] Multimode fiber needs to meet or exceed fiber standard ITU-T G.651. Single mode fiber needs to meet or exceed fiber standard ITU-T G.652 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.

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