



INCLUDED



FLEXIBILITY



ALL GIGABIT



8 + 2



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 × 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
- › RSTP/STP (IEEE 802.1w/D)

* Small Form-Factor Pluggable Module. Sold separately.

SPECIFICATIONS

Connectors

10/100/1000Base-TX Ports:	8 × RJ-45
100/1000Base-X Ports:	2 × SFP ¹
Serial Console Port:	RS-232 in RJ-45 connector with console cable. 38400bps, 8, N, 1

Switch Properties

Switching latency:	7 μs
Switching bandwidth:	20 Gbps
L2 Forwarding:	14.9 Mpps
Packet Buffer:	4.1 Mbit
Max. Available VLANs:	256
IGMP multicast groups:	256
Port rate limiting:	User Defined
Processing:	Store-and-Forward
Priority Queues :	4
Network Redundancy:	Dual Homing STP RSTP
MAC Table :	8K MAC Addresses
Jumbo Frame:	Up to 10K Bytes

Enhanced Function

Hardware Monitor	MAC-based VLAN
IGMP Statistics/Group Filter	IGMP Message Filter
SNTP	Port Alias

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

User Security

Static MAC Forwarding	ACL
SSH	

Traffic Management and QoS

Rate Limitation	Tag Based/Port-Based VLAN
256 Active VLAN Support	802.1p Priority Queues per port
Traffic Classification	Network Storm Control
QoS Scheduler SP/WRR	

Power

Input Power:	100~240 VAC at AC Input with power cord
Power Consumption:	10 Watts
Overload Current Protection:	Present

Mechanical

Indicating LEDs:	Power, Post, Alarm, 1000Mb, Link/Act
Size:	10.55 × 5.04 × 1.73 in (26.8 × 12.8 × 4.4 cm)
Installation:	Desktop
Cooling:	Passive Cooling
Weight:	2.6 lb / 1.2 kg

Environmental

MTBF:	>100,000 hours
Storage Temperature:	-20° C to 70° C
Operating Temperature:	-20° C to 60° C
Operating Humidity:	10% to 80% non-condensing

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:	FCC Part 15, CISPR (EN55022) class A
EMS:	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
Safety:	EN60950-1

AGENCY COMPLIANCE



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.