

## ValueLine

Performance and Value



INCLUDED



FLEXIBILITY



IEEE802.3at



2



8



The ComNet CWGE2FE8MSPOE+ commercial grade managed Ethernet switch provides eight ports of 10/100 BASE-TX PoE+ and two ports of 10/100/1000TX or 1000FX transmission. These units are available for use with either conventional CAT-5e copper or optical transmission media. The eight electrical ports support the 10/100 Mbps Ethernet IEEE 802.3 protocol, and auto-negotiating and auto-MDI/MDIX features are provided for simplicity and ease of installation. All eight ports support IEEE.802.3at based PoE+. Two ports are 10/100/1000 configurable for copper or fiber media for use with multimode or single mode optical fiber, selected by optional SFP modules. These network managed layer 2 switches are optically (1000 BASE-FX) and electrically compatible with any IEEE 802.3 compliant Ethernet devices.

## FEATURES

- › Commercial Grade
- › Ambient operating temperature range: 0° C to +50° C
- › 10/100 BASE-TX compatible PoE+ ports
- › Flexible optics configuration via SFP plug-in modules
- › Fully configurable through SNMP or web-based network management
- › IGMP Snooping V1/V2 for multicast filtering
- › Port based VLAN (IEEE 802.1Q)
- › Rapid Spanning Tree protocol (IEEE 802.1W)
- › Port Based Security
- › Power Supply Included
- › LED status indicators confirm operating status

- › The switch can be mounted within any standard 19-inch equipment rack using the included Rack Mount Bracket Adaptor Kit
- › Five Year Warranty

## APPLICATIONS

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

*\* Small Form-Factor Pluggable Module. Sold separately.*

## SPECIFICATIONS

### Software

Configuration	SNMP v1/v2c, Web
VLAN	IEEE 802.1Q (32 Max), Port based VLAN (26 Max)
Redundancy	IEEE802.1d STP, IEEE802.1w RSTP, and Loopback detection
Security	MAC address binding port security, DHCP Relay, TCP/UDP filters
Traffic Control	IGMP Snooping V1/V2 for multicast group management, Bandwidth Control, Broadcast Storm Control, Port trunk, QoS priority queuing / CoS, LACP port trunk, IEEE 802.3x flow control
Diagnostics	Port Mirroring, Real-time traffic statistic, MAC Address Table
PoE Management	PoE Enable/Disable, Power limit by classification, Power limit by management, Power feeding priority, Power On Delay Timer, Power Scheduling

### Switch Properties

Switch Architecture	Back-plane: 5.6 Gbps
Packet Buffer	2.75 Mb
MAC Address	4K

### Connectors

10/100TX	8 × RJ-45
Gigabit Combo	2 × 10/100/1000TX RJ45 2 × 1000FX SFP <sup>1</sup>

### Power

Power consumption	260 W (with full PoE Load) 20 W (with no PoE)
Operating Power	110/240 VAC with internal power supply unit.
Max Power Per PoE Port	30 W max
Total PoE Power Budget	240 W max

### PoE pin assignment

RJ45 port #1 - #8 support IEEE802.3at End-point, Alternative A mode.  
Positive (VCC+): RJ45 pin 1, 2  
Negative (VCC-): RJ45 pin 3, 6

### Mechanical

Indicating LEDs	System: Power, PoE, System Per port: Link/Activity, Speed Gigabit Combo port: Link/Activity
Dimensions (L × W × H)	13.0 × 9.1 × 1.7 in (33.0 × 23.0 × 4.3 cm)
Cooling	Fan Assisted Cooling

### Environment

MTBF	>100,000 hours
Operating Temperature	0° to +50°C
Storage Temperature	-40° to +70°C
Relative Humidity	0 to 95% (non-condensing)

### Ethernet Standards

IEEE 802.3 10Base-T Ethernet  
IEEE 802.3u 100Base-TX/100Base-FX  
IEEE 802.3z Gigabit fiber  
IEEE 802.3ab 1000Base-T  
IEEE 802.3x Flow Control and Back Pressure  
IEEE 802.3ad Port trunk with LACP  
IEEE 802.1d Spanning Tree  
IEEE 802.1q VLAN Tag  
IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol)  
IEEE 802.3at Power over Ethernet

### Regulatory Compliance

EMC FCC Class A, EN55022, EN60950-1



## ORDERING INFORMATION

Part Number	Description
CWGE2FE8MSPOE+	Commercial Grade Managed Ethernet Switch with (8) 10/100TX PoE+ + (2) 10/100/1000TX RJ45 or 1000FX SFP Ports
Options	User selection of ComNet SFP (Extra charge, see SFP Modules data sheet for product numbers and compatibility before ordering)

[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.