The ComNet CWGE26FX2TX24MSPOE is a commercial Managed Ethernet Switch. It provides IEEE 802.3at PoE to twenty-four 10/100/1000BASE-T(X) two of which are also gigabit combo ports supporting 100/1000Fx SFP Modules. A further two 100/1000FX SFP* ports are also included. Up to 320 watts of PoE power is available for distribution across all 24 TX ports. All SFP ports utilize ComNet SFPs for fiber and connector type and distance. The CWGE26FX2TX24MSPOE is a redundant switch offering multiple Ethernet redundancy protocols to protect your applications from network interruptions or temporary malfunctions by redirecting transmission within the network.

**FEATURES**

- **Supports 26 Gigabit Ports:**
  - 2 100/1000Base-FX SFP Ports
  - 2 Gigabit Combo Ports
  - 22 10/100/1000BASE-T(X) Ports
- IEEE 802.3at Compliant for PSE. Up to 30W of PoE+ power available per port. 320W total PoE power available.
- Supports Private VLAN
- Supports IPV6 new Internet protocol version
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- Supports multiple redundant network rings
- Supports Jumbo frame up to 9.6K Bytes
- HTTPS/SSH protocol to enhance network security
- Supports SNTP client
- Supports application-based QoS management
- Supports Device Binding security function
- Supports ACL and 802.1x User Authentication for security
- Power supply for switch operation and PoE power sourcing is completely self-contained within the switch
- Fast Redundancy/Recovery – MSTP/RSTP/STP (IEEE802.1s/ w/D) and ERPS (G.8032)
- **Windows utility, eConsole, supports centralized management, and is web-based configurable, or by Telnet and console (CLI) ports**
- **Supports IP-based bandwidth management**
- **SNMP V1/V2c/V3, RMON and 802.1Q VLAN for secure network management**
- **Fastest Redundant Ethernet Ring: C-Ring. Recovery time <30ms, with up to 250 switches within the ring**
- **Low-profile 1-RU (1.75-inch) high rack-mountable chassis mounts within any standard 19-inch equipment rack**
- **Operating Temperature: -10˚ to +60˚ C**
- **Multiple warning notifications for unexpected events**
- **Supports LLDP (Link Layer Discovery Protocol)**

**APPLICATIONS**

- HD Surveillance
- High-Port Count Ethernet Hub Locations

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

### Connectors

<table>
<thead>
<tr>
<th>10/100/1000Base-TX</th>
<th>22 × RJ-45 Ports with Auto MDI/MDIX and PSE</th>
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</thead>
<tbody>
<tr>
<td>10/1000Base-TX</td>
<td>2 × RJ-45 Ports with Auto MDI/MDIX with PSE</td>
</tr>
<tr>
<td></td>
<td>or 2 × 100/1000Base-FX SFP</td>
</tr>
<tr>
<td>100/1000Base-FX</td>
<td>2 × SFP Ports</td>
</tr>
<tr>
<td>Console Port</td>
<td>RS-232 in DB9 connector with console cable</td>
</tr>
</tbody>
</table>

#### Switch Properties

- Switching Latency: 7 μs
- Switching Bandwidth: 52 Gbps
- Max. VLANs Available: 256
- IGMP Multicast Groups: 128 for each VLAN
- Port Rate Limiting: User Defined
- MAC Table: 8000 MAC addresses available
- Priority Queues: 4
- Processing: Store-and-Forward
- Jumbo Frame: Up to 9.6K Bytes

### Electrical & Mechanical

- Indicating LEDs: Power, Ring Master, C-Ring (Ring), Fault, PoE
- Enclosure: 1 RU high, 19-inch rack-mountable
- Size (L×W×H): 13.46 × 16.97 × 1.73 in (34.2 × 43.1 × 4.4 cm)
- Shipping Weight: <13 lbs./6 kg

### Environmental

- MTBF: >100,000 hours
- Operating Temp: -10˚ C to +60˚ C
- Storage Temp: -40˚ C to +85˚ C
- Relative Humidity: 5% to 95% (non-condensing)

### Regulatory Approvals

- EMI: FCC Part 15, CISPR (EN55022) Class A
- EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EF), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
- Mechanical Shock: IEC60068-2-27
- Free Fall: IEC60068-2-32
- Vibration: IEC60068-2-6

### Ethernet Standards Supported

- IEEE 802.3 for 10Base-T
- IEEE 802.3u for 100Base-TX and 100Base-FX
- IEEE 802.3z for 1000Base-X
- IEEE 802.3ab for 1000Base-T
- IEEE 802.3at for PoE up to 30 watts per port with a total power budget of 320 W
- IEEE 802.3x for Flow control
- IEEE 802.3ad for LACP (Link Aggregation Control Protocol)
- IEEE 802.1D for STP (Spanning Tree Protocol)
- IEEE 802.1p for COS (Class of Service)
- IEEE 802.1q for VLAN (Virtual LAN)
- IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol)
- IEEE 802.1x for Authentication
- IEEE 802.1ab for LLDP (Link Layer Discovery Protocol)

### Ordering Information

- **Part Number**: CWGE26FX2TX24MSPOE
- **Description**: (22) 10/100/1000 BASE-T/(X) + (2) Gigabit Combo Ports + (2) 100/1000 BASE-FX w/ Power over Ethernet (PoE+), 320 W Power Supply

<table>
<thead>
<tr>
<th>Included Accessories</th>
<th>Rack-mount installation kit, Console cable, and AC Power cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
<td>[2] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory) User selection of ComNet SFP (Extra charge, see SFP Modules data sheet for product numbers and compatibility before ordering)</td>
</tr>
</tbody>
</table>

**NOTE**: This product requires a fiber installation with a minimum 30 dB connector return loss. The use of Super Polish Connectors is recommended.

[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.