

Comnet CNGE4+2SMSPoE Intelligent Redundant Ring Gigabit Switch With Optional PoE+

This listing is for CNGE4+2SMSPoE only. Use description below as a general reference.

The ComNet CNGE4+2SMS[POE][HO]/M is a six port intelligent switch with light management functionality. It provides four 10/100/1000Base-T(X) copper ports and two 100/ 1000Base-FX SFP* ports. The CNGE4+2SMS[POE][HO]/M provides exclusive functionality for easy field deployment including DIP switch based operation of RSTP for creating redundant network topologies as well as preventing network video flooding of multicast traffic using IGMP snooping. Ports 1 through 4 can optionally supply up to thirty (30) watts of power per port based on the IEEE 802.3at standard. An optional High Output (HO) version is also available that can supply up to sixty (60) watts of PoE from ports 1 through 4. This product is fully compatible with the ComNet exclusive CopperLine® SFP modules for operation over extended distance UTP or Coax cable. The ComNet exclusive Port Guardian feature provides additional cyber security protection by enabling physical port lockout in the event that an existing cable is disconnected and prevents a potential network incursion using common spoofing techniques. The intrusion event is reported back to the operator using SNMP.

Features:

- Several features can be enabled with no programming required:
 - RSTP (Rapid Spanning Tree Protocol)
 - SMS Multicast Flooding Prevention (Star/Linear topologies only)
 - Dual Redundant SFP Mode
 - IGMP Snooping
- 10/100/1000 Mbps Ethernet
 - 4 × 10/100/1000 BASE-T/TX electrical ports
 - 2 × 100/1000 BASE-FX SFP ports (individually DIP switch selectable)
- Electrical ports support Auto-Negotiation for 10Mbps, 100Mbps or 1000Mbps, full duplex or half duplex data.
- SFP Ports support 100 or 1000 Mbps full duplex data
- SFP Ports compatible with CopperLine CL-SFP modules
- IEEE802.3at Power over Ethernet (PoE+)†
- 30W or 60W PoE+ on Ports 1- 4†
- 2 Duplex contact closures
- Automatic MDI/MDI-X crossover
- Designed to meet full compliance with the environmental requirements (ambient operating temperature, mechanical shock, vibration, humidity with condensation, highline/low-line voltage conditions and transient voltage protection) of NEMA TS-1/TS-2 and the Caltrans Specification for Traffic Signal Control Equipment.
- PoE status monitoring & automatic reboot function†
- Event notification through SNMP traps and Relay Output
- Voltage transient protection on all power and signal input/ output lines provides protection from power surges and other voltage transient events.
- RSTP supported
- IGMP v2 snooping supported
- Redundant AC/DC inputs for uninterrupted operation in the event of a loss of operating power or a power supply failure
- Supports LLDP (Link Layer Discovery Protocol)
- SNMP v1/ v2c for network management
- May be DIN-rail mounted by the addition of ComNet model DINBKT2 or DINBKT4 adaptors.
- Port Guardian prevents network intrusion through intelligent physical port lockout
- Lifetime Warranty
- Made in the USA