Comnet CNGE24MSS2-OB Industrial 24-port All Gigabit Managed Ethernet Switch with 16 TX ports and 8 SFP Ports plus Optical Bypass

The ComNet CNGE24MS-OB is a Managed Ethernet Switch with sixteen 10/100/1000 Mbps TX ports and eight 100/1000 Mbps SFP* ports that use ComNet SFPs for fiber type, connector type and distance. This switch also includes two sets of bypass ports that ensure network integrity during power loss or maintenance. The CNGE24MS-OB is IEEE802.3-compliant and offers multiple Ethernet redundancy protocols (ComRing, C-Ring, and MSTP/RSTP/STP) which protect your applications from network interruptions or temporary malfunctions by redirecting transmission within the network. Unlike most Ethernet switches, these environmentally hardened units are designed for deployment in difficult operating environments, and are available for use with either conventional CAT-5e copper or optical transmission media.

Features

- 10/100/1000 BASE-TX and 100/1000 BASE-FX compatible
- Support 100M/1G/10G optical bypass function of 2 port duplex or 4 port simplex fiber connection
- Fastest Redundant Ethernet Ring: C-Ring. Recovery time <30ms, with > 250 switches within the ring
- MSTP, with RSTP/STP compatibility
- Com-Ring open architecture supports other switch manufacturers' ring technologies, for seamless network integration
- C-Chain allows multiple redundant network ring capability
- IEC 62439-2 MRP (Media Redundancy Protocol)
- No added delay using Optical Bypass
- Supports IPV6 new internet protocol version
- Support for Modbus TCP protocol
- IEEE 802.3az Energy-Efficient Ethernet technology, for substantially reduced power consumption during periods of low data activity.
- HTTPS/SSH protocol to enhance network security
- Supports SMTP client
- Supports IP-based bandwidth management
- Supports application-based QoS management
- Supports Device Binding security function
- Supports DOS/DDOS auto prevention
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- SNMP V1/V2c/V3, RMON and 802.1Q VLAN for secure network management
- ACL, TACACS+ and 802.1x User Authentication for network security
- Supports Jumbo Frame up to 9.6KB for streaming video applications
- Multiple notifications warn of unexpected events
- Supports Link Layer Discovery Protocol (LLDP)
- Web-based, Telnet, Console (CLI), and Windows-based utility (eConsole) configuration
- Lifetime Warranty
- IEEE 1588v2 clock synchronization