

Card Modules for System Chassis CL-2500 and CL-5000



Model CL-5000FE

10/100 Ethernet



Model CL-5000GE

Gigabit Ethernet - Copper or Fiber Interface

CL-5000FE is an Ethernet media converter "two-port switch" that translates transmission signals from a twisted-pair 10/100BASE-TX cable to 100BASE-FX fiber optic cable. It expands network data transmission distances beyond the 100m limitation of copper wire to a maximum of 110km by using fiber optic cable in full duplex mode. The card provides auto-sensing detection of full duplex or half duplex signaling or it could be configured as force 100BASE-TX full duplex. It has easy-to-read diagnostic LED's for continuous status reports on network speed, duplex media access control connection, and network traffic. It uses standard RJ-45 UTP/STP and SC or SC/APC fiber optic connectors and is IEEE 802.3u 10/100BASE-TX/FX compliant and operates with all devices that adhere to this standard. It could link your existing 10Mbps workgroups to a 100Mbps Fast Ethernet backbone.

CL-5000GE is a Gigabit Ethernet transceiver. It can convert signals between RJ-45 Gigabit Ethernet connections and singlemode fiber optic, or between multimode Gigabit Ethernet connections and singlemode fiber optic. Also it can act as a singlemode repeater. The CL-5000GE has easy-to-read diagnostic LED's signals for continuous status reports on network speed, duplex media access control connection, and network traffic. The bi-directional transmission is done by over one strand of the fiber. It uses standard SC or SC/APC fiber connector. CL-5000GE expands network data transmission distances beyond the 2km limitation of multimode optical fiber to a maximum of 110km by transmitting over singlemode fiberoptic cable in full duplex mode.

Features CL-5000FE

- 10/100 Auto-Sensing or 100 Force Full Duplex
- 2 x Switch Ports (2 x RJ-45 connectors)
- 1 x FX 100 Mbps Fiber Port
- Provide full wire-rate 10/100Mbps Switch Ports for greater network performance
- Supports "Store and Forward" switching architecture
- Connect 10 Mbps, 100 Mbps, Half and Full Duplex simultaneously
- 4K MAC address entries per port
- Two-way (incoming and outgoing) address learning supported for each port
- 170 full-size data packet buffer for 100 Mbps port
- Filtering and forwarding rate - 14880 packets per second for 10 Mbps ports, 148800 per second for 100 Mbps ports
- Plug-n-Play Ethernet & Fast Ethernet Switch
- Easy migration from 10 Mbps to 100 Mbps
- IEEE 802.3, 802.3u compliant
- 110km Transmission Range
- 1 or 2 Fiber Strand Transmission

Features CL-5000GE

- 1000 Mbps Full Duplex Gigabit Ethernet Transceiver
- 1 x 1000 BASE-FX LAN Fiber Port (multimode or singlemode optics).
- 1 x 1000BASE-FX WAN Fiber Port (singlemode optics 1310, 1550, CWDM, DWDM)
- 1 x RJ-45 Copper Gigabit Ethernet port
- 110km Transmission Range
- 1 or 2 Fiber Strand Transmission
- Provide full wire-rate 2000 Mbps Duplex Transmission for greater network performance
- Plug-n-Play Gigabit Ethernet Mode Converter or Singlemode Repeater
- IEEE 802.3z compliant
- Guaranteed switch performance and hardware compatibility with other switches, hubs and adapters

Model Selections

- MX5000GE-C - Gigabit Ethernet transceiver copper interface
- MX5000GE-F - Gigabit Ethernet transceiver fiber multimode interface
- MX5000GE-FSM - Gigabit Ethernet transceiver fiber singlemode interface (repeater)

Specifications

CL-5000FE	CL-5000GE
IEEE 802.3, 802.3U	IEEE 802.3z 1000BASE-TX/FX Gigabit Ethernet
2 x UTP Ports & 1 Fiber Port	1 UTP Port & 2 Fiber Ports (WAN, LAN)
100BASE-FX	1000BASE-FX
Power, Link/Activity, Full Duplex/Collision, 100 Mbps	Power, Link/Activity
FCC Part 15 Class A, CE, UL, CUL, TUV, VCCI 1	FCC Part 15 Class A, CE, UL, CUL, TUV, VCCI 1