

# Two-port Fiberoptic Managed 10/100 to 100BASE-FX Converter



**Model CL-200MN**

The CL-200MN standalone managed media converter was especially developed for mission critical applications such as Banks, e-commerce, hospitals, and the Military. The device comes with 2 copper and 2 fiber ports that provide 10/100 BASE fiber-to-copper conversion. With this design, a priority and a redundant link can be configured to ensure an "always-on" connection exists, eliminating costly network downtime. Being SNMP-read, the CL-200MN converters enables network administrators to remote monitor the entire network status quickly via the RJ-45 (in-band) or RS-232 (out-of-band) connection to the management agent.

This managed converter can extend the enterprise LAN configuration range up to 110km while simultaneously minimizing the time troubleshooting. It's designed as standalone devices for hassle-free integration into today's managed mixed cabling networks. Boasting Link Fault Signalling, Loop back Test features, the CL-200MN managed media converter is a highly effective solution for network applications that require managed devices. Coupled with hassle-free deployment and set-up, the unit offers cost-efficiency that makes it easy to marry together the advantages of fiber connection technology with existing copper Ethernet/Fast Ethernet network.

## Features

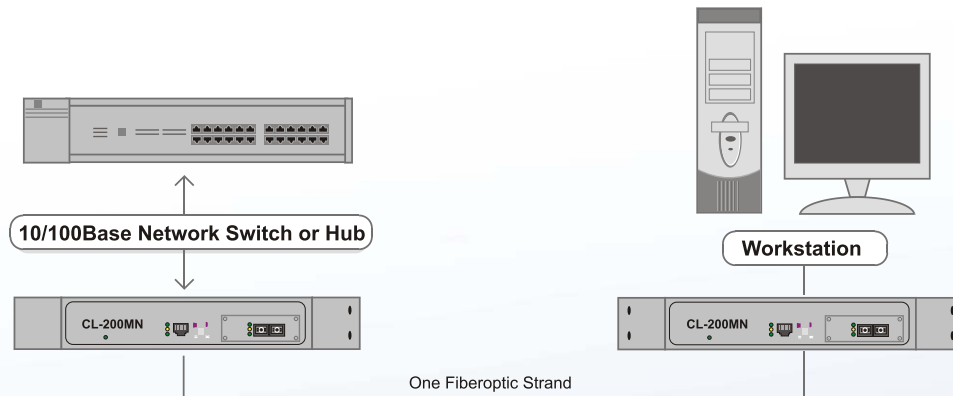
- Configurable as a two pair converters or as one primary link and a redundant link
- Automatic MDI/MDI-X and NWay on RJ-45 port
- Link Fault Signaling (LFS)
- Loop back Test (LBK)
- Supports in-band and out-of-band management
- LED status indicators for: power (PWR), link (LNK), activity (ACT), collision (COL), full duplex (FD) and LFS
- Nebility and Webility (HP Open View and IBM/Tivoli Net View compatible)
- Managed via CLI, Telnet, RS-232 Console, and Menu-driven interfaces
- Supports 2K MAC address entries
- 1MB RAM buffer with non-blocking architecture
- Internal power supply options
- Available ST, SC, and WDM Simplex SC connectors
- TFTP firmware upgradeable
- FCC Class A and CE approved

## Model Selection

<b>CL-200MN-1S-SCA-40</b>	10/100 Fiberoptic Ethernet Switch, 2 Port, 1 Fiber, SC/APC Connector, 40km
<b>CL-200MN-1S-SCA-80</b>	10/100 Fiberoptic Ethernet Switch, 2 Port, 1 Fiber, SC/APC Connector, 80km
<b>CL-200MN-2S-SCA-60</b>	10/100 Fiberoptic Ethernet Switch, 2 Port, 2 Fiber, SC/APC Connector, 60km
<b>CL-200MN-2S-SCA-110</b>	10/100 Fiberoptic Ethernet Switch, 2 Port, 2 Fiber, SC/APC Connector, 110km
<b>CL-200MN-1M-SC-2</b>	10/100 Fiberoptic Ethernet Switch, 2 Port, 1 Fiber, SC/PC Connector, 2km

Other Connectors and Distances Available Upon Request

## Example Application



**Cabling Flexibility** - Compatible with a variety of multimode, single mode, and long-haul single mode fiberoptic cabling, the **CL-200MN** is capable of supporting networking distances of up to 110km. The media converter meets both IEEE 802.3 (Ethernet) & 802.3u (Fast Ethernet) standard protocols.

**Link Fault Signaling** - The LFS LED will immediately become lit to indicate when a cable has been severed or some other cause of disruption in service has occurred. Simultaneously, data transmission will be switched to the redundant link resulting in 'non-stop' network connectivity. Ideally suited for mission-critical applications.

**Loop back Test** - The Loop back Test feature is one key management feature of the **CL-200MN** and allows instant visual status of the cable connection from local or remote sites for discovering problems reliably.

**Simplify Troubleshooting** - SNMP management and LEDs eliminate a network administrator's valuable time spent detecting and locating network problems done by visual inspection of cabling and equipment.

**Easy Implementation** - Integrated autocross MDI/MDI-X and NWay capabilities make the **CL-200MN** simple to deploy within a network. Additionally, the slim housing design is ideal for installation in locations with limited space.

## Specifications

<b>Standards</b>	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet
<b>Connection Ports</b>	1 x UTP Port & 1 x Fiber Port 1 x RJ-45 Dual Speed UTP port and 100BASE-FX fiber port
<b>Network Media</b>	10BaseTX: UTP category 3 or better 100BaseTX: UTP category 5 100BaseFX: SC 62.5/125u or 9/125u fiber cable
<b>Crossover Push Button</b>	1 crossover button for the UTP port
<b>LED Indicators</b>	Power, Link/Activity, Full or Half Duplex/Collision, 10/100 Mbps
<b>Dimensions</b>	260mm x 145mm x 44mm
<b>Environment</b>	Operating temperature: 0°C to 40°C Storage temperature: -20°C to 70°C Operating humidity: 10% to 90% RH Storage humidity: 5% to 90% RH
<b>Input Power Requirements</b>	Voltage: 110/240V Auto-sense Internal Power
<b>Regulatory Compliance</b>	FCC Part 15 Class A, CE, UL, CUL, TUV