

MCV-1000SCM02V2

Gigabit 1000Base-T to Multi-mode SX Converter - 2Km

The MCV-1000SCM02V2 media converters were specifically designed to offer network designers the tools for migration from copper based Gigabit to fiber based Gigabit Ethernet. Now, migration or expansion of existing networks can be achieved with minimum cost and complexity. The converters are completely transparent when installed so the network performs exactly the way it would do normally-only now, it can migrate both copper and fiber mediums.



This flexibility in cabling allows network managers to put fiber cables anywhere within a network without changing the arrangement of copper based Gigabit segments. Their compact size allows the converter to be easily deployed in any narrow desktop location or used in wall-mount installation to save space. Several converters can be simultaneously installed by using the MCV-12Cv2 12-slot 19" rack-mount chassis, or MCV-4Cv2 4-slot rack-mount converter chassis.

The MCV-1000SCM02V2 takes advantage of Gigabit Ethernet technology, suitable for transmission applications of larger bandwidth like Video, Image, and Voice over IP.

Features

- Complies with IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standard
- Auto MDI/MDI-X support on RJ-45 port
- Auto polarity correction on RJ-45 port
- Local and Remote loopback test for first time installation and troubleshooting
- Low power consumption
- Extends distances up to 220m for multi-mode SX (80km with long haul single mode) under full duplex mode
- Compatible with other Gigabit 1000Base-T/SX/LX devices
- Status LEDs for easy monitoring of device status
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved

Connection Sample

Product Application

The following illustrates typical applications for the MCV-1000SCM02V2 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



Specification

Model	MCV-1000SCM02V2
Standards	IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Connector	1 x RJ-45 1 x Fiber (SC)
Max. Distance	<ul style="list-style-type: none">• UTP: 100 meters (Cat. 5)• Fiber: up to 80km (single-mode)• PWR: Illuminated for normal operation
Unit LED	<ul style="list-style-type: none">• FD: Illuminated when working in full duplex mode• LNK: Illuminated when receiving link pulses from compliant devices• RCV: Illuminated or flashing when data packets are being transmitted / received
MDI/MDI-X	Auto Selection
Power	<ul style="list-style-type: none">• Power Input: 12V DC, external power supply adapter• Frequency: 47Hz to 63Hz
Temperature	<ul style="list-style-type: none">• Operating: 0°C to 50°C• Storage: -20°C to 70°C
Humidity	<ul style="list-style-type: none">• Operating: 10% to 80% RH• Storage: 5% to 90% RH
Emissions	FCC Part 15 of Class A & CE approved
Dimensions	109.2 x 73.8 x 23.4mm (D x W x H)
Weight	160g
Dip Switches	<ul style="list-style-type: none">• DIP 1 - LLBK: Copper port local loop back Enable or Disable (On: Enable ; Off: Disable)• DIP 2 - RLBK: Fiber port remote loop back Enable or Disable (On: Enable ; Off: Disable)

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