

MCV-1000SFPv2

10/100/1000Base-T to SFP(SX/LX) Gigabit Converter
(SFP module not included)



The MCV-1000SFPv2 media converter is specifically designed to offer fiber advantages for mission-critical networks like Telco/ISP backbones, cable operators, banking and enterprise networks. The MCV-1000SFPv2 can reduce network downtime and increase Quality of Service levels. The converters are completely transparent when installed, so the network performs exactly the way it would do normally – only now, it can incorporate 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 the copper-based Gigabit segments. Their compact size allows the converters to be wall-mounted to save space. Several converters can be simultaneously installed by using the MCV-4Cv2 4-slot and MCV-12Cv2 12-slot, 19" rack-mountable chassis.

The MCV-1000SFPv2 takes advantage of intelligent connection technology to support Auto-negotiation, thereby eliminating the hassle of manually configuring or monitoring settings. This ensures plug-n-play operability.

Features

Standards

- Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards

Interface

- One 10/100/1000 Mbps Ethernet port
- Auto MDI/MDI-X support on RJ-45 port
- One SFP slot for Gigabit links
- Extends distances up to 220m for multi-mode SX (110km with long-haul single-mode) under full-duplex mode

Management

- Link Fault Signaling
- Alarm LED illuminates to indicate link failure
- Status LEDs for easy monitoring of device's status

Mechanical & Environmental

- External power supply
- Chassis-compliant (internal power supply)
- FCC Class A & CE approved

Connection Sample

Product Application

The diagram on the right illustrates a typical application for the MCV-1000SFPv2 converter. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.



Specification

Model	MCV-1000SFPv2
Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Connector	1 x RJ-45 1 x SFP
Max. Distance	<ul style="list-style-type: none">• UTP: 100 meters (Cat. 5/5e/6)• Fiber: SFP; up to 110km (single-mode)
Unit LED	<ul style="list-style-type: none">• PWR: Illuminated for normal operation• ALM: Illuminated when failure occurs on fiber or copper link• LNK/ACT: Fiber link<ul style="list-style-type: none">- Illuminated when receiving link pulses from compliant devices- Flashing when data packets are being transmitted / received
MDI/MDI-X	Auto Selection
Power	Power Input: 12V DC, external power supply adapter
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	158g
Dip Switches	DIP 1 - LFS: Enable/disable Link-Fault Signaling (LFS)

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