

MCV-1000SFP2V2

10/100/1000Base-T to 2xSFP(SX/LX) Redundant-Link Gigabit Converter
(SFP module not included)



The MCV-1000SFP2v2 media converter is specifically designed to offer high-speed recovery (<10ms) and fiber advantages for mission-critical networks like Telco/ISP backbones, cable operators, banking and enterprise networks. The MCV-1000SFP2v2 can minimize 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 or MCV-12Cv2 12-slot, 19" rack-mountable chassis.

The MCV-1000SFP2v2 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
- Supports Auto MDI/MDI-X on RJ-45 port
- Two SFP slots for Gigabit links
- Extends distances up to 220m for multi-mode SX (110km with long-haul single-mode) under full duplex mode

■ Redundancy

- Fail-over on dual fiber links
- Issuing an alarm if a fiber link fails
- Link Fault Signaling (LFS) occurs when copper link or BOTH fiber links fail
- Automatically switches back to the primary fiber link if it recovers after a failure and fail-over to the other link

■ Management

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

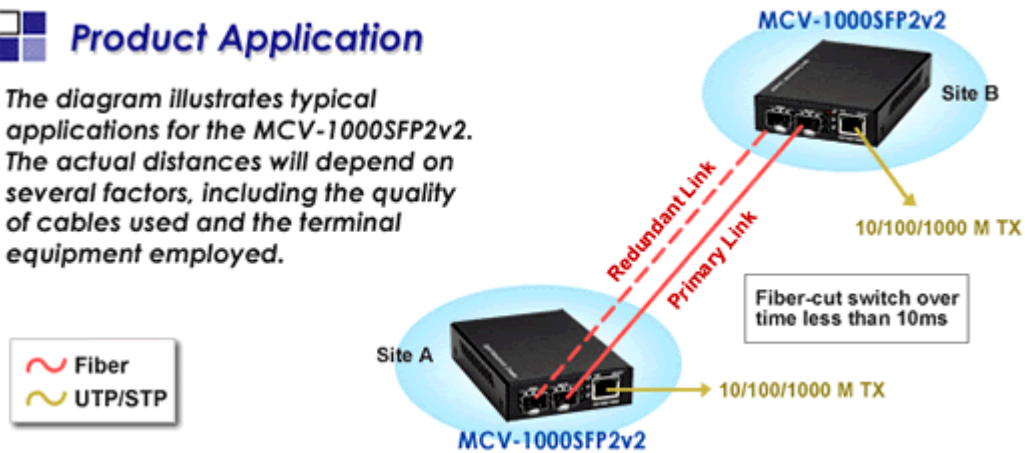
■ Mechanical & Environmental

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

Connection Sample

Product Application

The diagram illustrates typical applications for the MCV-1000SFP2v2. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.



Specification

Model	MCV-1000SFP2V2
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 2 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: Illuminates for normal operation • ALM: Illuminated when failure occurs on any fiber link or on LFS • PRI: Primary link <ul style="list-style-type: none"> - Illuminated when receiving link pulses from compliant devices - Flashing when data packets are being transmitted / received • RDT: Redundant 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	160g
Dip Switches	DIP 1 LFS: Enable/disable Link-Fault Signaling (LFS)

