

OPTICAL NETWORK VIDEO TECHNOLOGIES (SHENZHEN) CO., LTD.

Product Datasheet

8-Port 10/100M Multimode Dual Fiber Media Converter

(ONV0110-MCX-S8)



OVERVIEW

The ONV0110-MCX-S8 series is 10/100M multimode dual fiber media converter independently developed by ONV. It has 8* 10/100Base-TX ports and 1*155M uplink SC fiber port, You can use different optical modules, such as multimode dual fiber, single mode dual fiber, and single mode single fiber. The transceiver adopts the enterprise-class Taiwan Realtek company's carrier-grade chip solution, which has stable performance, good quality and high cost performance. It is suitable for fiber-optic access application scenarios such as security monitoring, wireless coverage, intelligent transportation, and safe city to form a cost-effective and stable communication network.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 100Mbps RJ/SC port

- ◇ All series support “10/100M RJ45 port and 155M SC port ” combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

■ Easy to use and maintain

- ◇ Compatible with IEEE802.3u 100Base-TX/FX network protocol, 10/100M port rate auto-negotiation
- ◇ Support full-duplex/half-duplex working mode with auto-negotiation function
- ◇ Automatic identification of twisted pair MDI/MDI-X cross lines and parallel lines
- ◇ Complete LED working status indication for network diagnosis and fault checking, reducing maintenance workload.

■ Stable and reliable

- ◇ Low power consumption, No fan , galvanized steel casing,
- ◇ CCC,CE, FCC, RoHS.

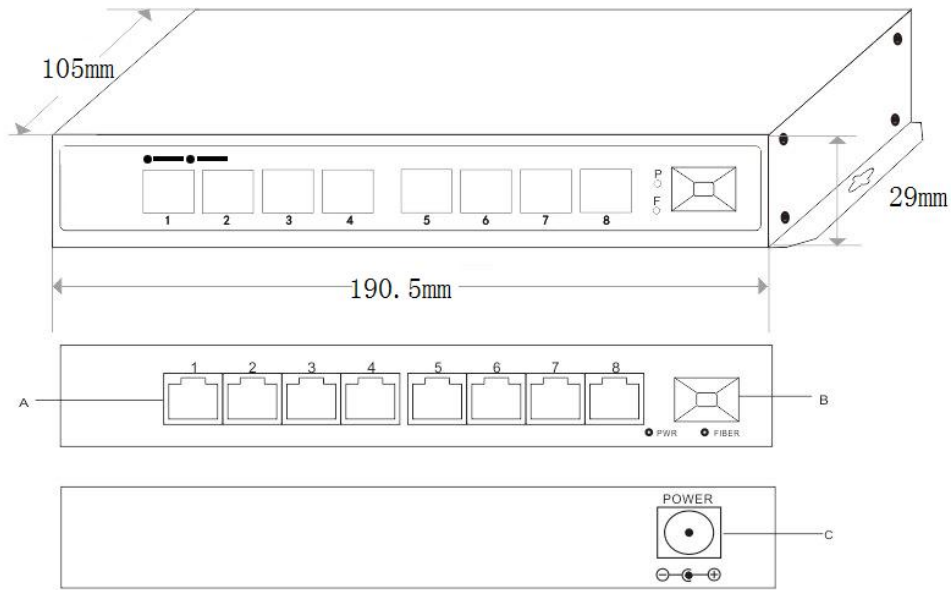
TECHNICAL SPECIFICATION

Model	ONV0110-MCX-S8
Interface	8* 10/100Base-TX ports (Data) 1*155M uplink SC fiber port (Data)
Network Protocol	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX

	IEEE802.3u 100Base-FX IEEE802.3x
Ethernet Port Feature	10/100Base-TX auto-sensing, full/half duplex MDI/MDI-X self-adaption
Fiber Port	155Mbps, multimode dual fiber ,SC interface
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	1.6Gbps
Forwarding Rate@64byte	1.34Mpps
MAC Address Table	1K
Buffer Memory	768K
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter)
Fiber cable/distance	Multi-mode: 850nm 0~500M, 1310nm 0-2KM
Total PWR / Input Voltage	4W/12VDC
Power Consumption	Standby<2W, full load<5W
Power Supply	External power adapter, AC100~240V 50-60Hz 1A
LED Indicator	Power : PWR (green), Network : Link (green), Fiber port :L/A (green)
Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	190.5*105*29mm
Net /Gross Weight	<0.5kg / <1kg
Installation	Desktop.
Anti-surge / Protection Level	Anti-surge 4KV 8/20us, Protection Level: IP30

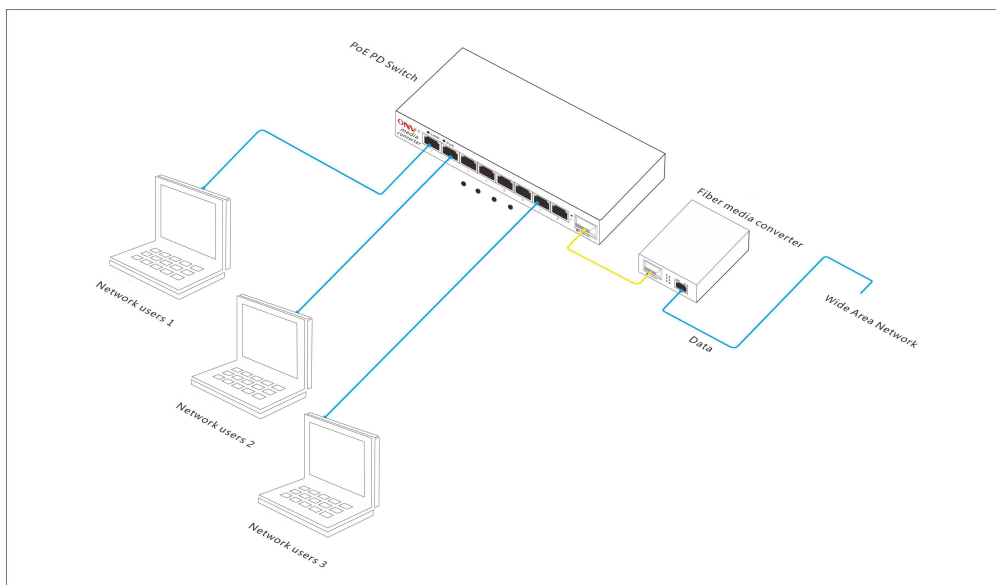
Certification	CCC, CE mark, commercial , CE/LVD EN60950, FCC Part 15 Class B; RoHS
Warranty	3 years warranty, life-time maintenance

DIMENSION



A. 8*10/100M PoE ports B. 155M SC fiber port C. Power input port

APPLICATION



ORDERING INFORMATION

Model	Specs(SC Fiber Port, External Power Supply)	Maximum Transmission
ONV0110-MCX-S8	10/100M, 8*RJ45 ports, multimode dual fiber, 850nm or 1310nm ,SC fiber port	2Km
ONV0110-SCX-S8	10/100M, 8* RJ45 ports, single mode dual fiber, 1310nm, SC fiber port	20Km
ONV0110S-SCX-S8-A	10/100M, 8* RJ45 ports, single mode single fiber, 1310nm, SC fiber port	20Km
ONV0110S-SCX-S8-B	10/100M, 8*RJ45 ports, single mode single fiber, 1310nm or 1550nm, SC fiber port	20Km

Note: External power supply (can be customized different power sockets for different countries)

PACKING LIST

	CONTENT	QTY	UNIT
PACKING LIST	8-port 10/100M multimode dual fiber media converter	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US



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