

Product Datasheet

2-port 10/100M Single-mode Dual Fiber Media Converter (ONV0110-SCX-O)



OVERVIEW

The ONV0110-SCX-O is a 10/100M fiber media converter independently developed by ONV. It has 1*10/100Base-TX RJ45 port and 1*155M uplink SC fiber port. User can select different optical modules, such as multi-mode dual fiber, single-mode dual fiber, and single-mode single fiber. The media converter 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 optical fiber access application scenarios such as security monitoring, wireless coverage, intelligent transportation, and safe cities to form a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ 10/100M photoelectric Ethernet conversion transmission

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.
- ◇ Supports 100M RJ45 port and 155M fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Easy to use and simple to maintain

- ◇ Support full-duplex/half-duplex working mode with auto-negotiation function.
- ◇ Automatic identification of twisted pair MDI/MDI-X cross lines and parallel lines.
- ◇ LED working status indication for network diagnosis and fault checking, reducing maintenance workload.
- ◇ Compatible with IEEE 802.3u 100Base-TX/FX network protocol, 10/100M RJ45 port rate auto-negotiation.
- ◇ Plug and play, no configuration required, centralized power supply and centralized connection management through 2U-14 slot rack.

■ Stable and reliable

- ◇ CCC, CE, FCC, RoHS.
- ◇ Low power consumption, No fan , galvanized steel casing.
- ◇ Comply with telecommunication network access requirements, and have the telecommunications equipment network access license of the MIIT.

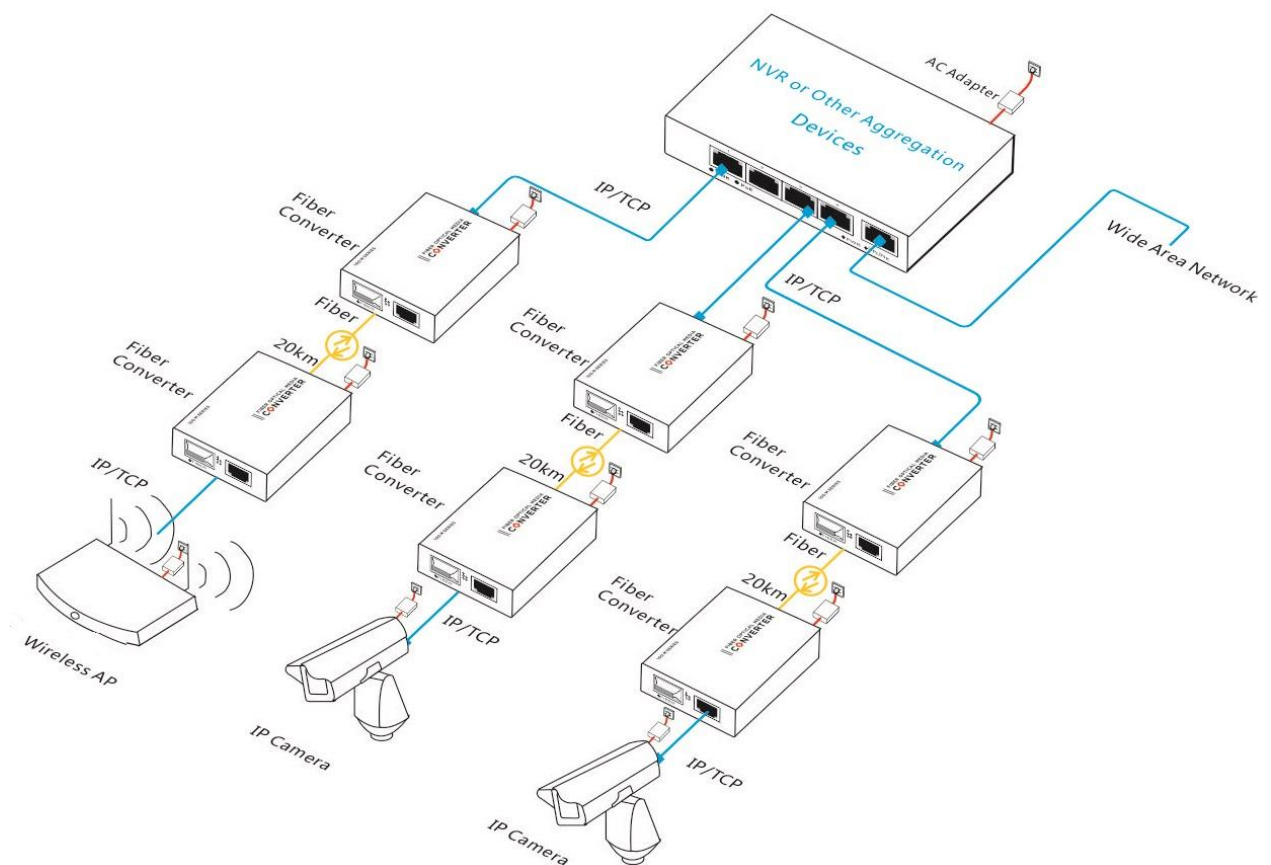
TECHNICAL SPECIFICATION

Model	ONV0110-MCX-O	ONV0110-SCX-O	ONV0110S-SCX-O-A/B
Interface Characteristics			
Interface	1*155M uplink SC fiber port (Data)		
	1*10/100Base-TX RJ45 port (Data)		

Ethernet Port	10/100Base-TX auto-sensing, full/half duplex MDI/MDI-X self-adaption		
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meters)		
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meters)		
Optical Fiber Port	155Mbps, multi-mode dual fiber SC interface	155Mbps, single-mode dual fiber SC interface	155Mbps, single-mode single fiber SC interface
Optical Cable/ Distance	Multi-mode: 850nm/ 0-500m, 1310nm/ 0-2km	Single-mode: 1310nm / 0-40km, 1550nm/ 0-120km.	
Chip Parameter			
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x		
Forwarding Mode	Store and Forward(Full Wire Speed)		
Switching Capacity	1.0Gbps		
Forwarding Rate@64byte	0.3Mpps		
MAC	1K		
Buffer Memory	768K		
Jumbo Frame	1536byte		
LED Indicator	Power: PWR (Green), Data: L/A (Green) Single/ duplex: FDX (Green), Fiber :FX(Green), Rate: 10/100 (Green)		
Power Supply			
Total PWR/ Input Voltage	3W/ (5VDC)		
Power Consumption	Standby<1W, Full Load<3W		
Physical Parameter			
Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH Non condensing		
Storage TEMP/	-40°C~+85°C, 5%~95% RH Non condensing		

Humidity	
Dimension (L*W*H)	94*71*26mm
Net /Gross Weight	<0.2kg / <0.4kg
Installation	Desktop, 2U-14 slot rack
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	3 years, lifelong maintenance.

APPLICATION



ORDERING INFORMATION

Model	Description
ONV0110-MCX-O	10/100M multi-mode dual fiber media converter with 1*10/100M RJ45 port and 1*155M SC fiber port. 850nm/1310nm/0-2km. Total power is 3W. External power supply.
ONV0110-SCX-O	10/100M single-mode dual fiber media converter with 1*10/100M RJ45 port and 1*155M SC fiber port. 1310nm/ 0-20km. Total power is 3W. External power supply.
ONV0110S-SCX-O-A	10/100M single-mode single fiber media converter with 1*10/100M RJ45 port and 1*155M SC fiber port. 1310nm/1550nm/0-20km. Total power is 3W. External power supply.
ONV0110S-SCX-O-B	10/100M single-mode single fiber media converter with 1*10/100M RJ45 port and 1*155M SC fiber port. 1310nm/1550nm/0-20km. Total power is 3W. External power supply.

PACKING LIST

	Content	Qty	Unit
Packing List	2-port 10/100M single-mode dual fiber media converter	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

CONTACT US

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