Product Datasheet

5-port 10/100M Single-mode Dual Fiber Media Converter (ONV0110-SCX-S4)



OVERVIEW

The ONV0110-SCX-S4 is a 10/100M fiber media converter independently developed by ONV. It has 4*10/100Base-TX RJ45 ports and 1*155M uplink SC fiber port. Users can select different optical modules, such as multi-mode dual fiber, single-mode dual fiber, and single-mode single fiber. The media converter adopts enterprise-level telecom-grade chip solutions with stable performance, excellent 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 mode, 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 IEEE 802.3x and half-duplex based on Backpressure.
- ♦ Support 100M RJ45 port and 155 SC fiber port combination, which enables users to flexibly

build networking to meet the needs of various scenarios.

Easy to use

- ♦ 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 R45 port rate auto-negotiation.

Stable and reliable

- ♦ CCC, CE, FCC, RoHS.
- ♦ Low power consumption, no fan, galvanized steel housing, and excellent heat dissipation ensure stable operation of the product.

TECHNICAL SPECIFICATION

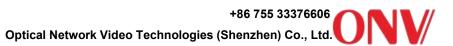
Model	ONV0110-MCX-S4	ONV0110-SCX-S4	ONV0110S-SCX-S4-A/B			
Interface Characteristics						
Interface	1*155M uplink SC fiber port (Data)					
	4*10/100Base-TX RJ45 ports (Data)					
Ethernet Port	Port 1-4 can support 10/100Base-TX auto-sensing, Full/ half duplex MDI/ MDI-X					
	self-adaption					
Twisted Pair	10BASE-T: Cat3,4,5 UTP (≤100 meters)					
Transmission	100BASE-TX: Cat5 or later UTP (≤100 meters)					
Optical Fiber Port	155M multi-mode dual	155M single-mode dual	155M single-mode single			
	fiber SC interface	fiber SC interface	fiber SC interface			
Optical Cable/ Distance	Multi-mode: 850nm/	Single-mode: 1310nm / 0-40km, 1550nm /0-120km				
	0-550m, 1310nm/ 0-2km					
Chip Parameter						



Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE			
Network Flotocol	802.3u 100Base-FX, IEEE 802.3x			
Forwarding Mode	Store and Forward (Full Wire Speed)			
Switching Capacity	1.0Gbps			
Forwarding Rate	0.47Mnne			
@64byte	0.47Mpps			
MAC	1K			
Buffer Memory	2K			
LED Indicator	Power: PWR (Green), Network: Link (Green), Fiber port: FX (Green)			
Power Supply				
Total PWR/ Input	4W/ 5VDC			
Voltage				
Power Consumption	Standby<3W, Full Load<5W			
Physical Parameter				
Operation Temp/	-20°C~+55°C, 5%~90% RH Non condensing			
Humidity	-20 Grado G, 570 and Military Condensing			
Storage Temp/ Humidity	-40°C~+85°C, 5%~95% RH Non condensing			
Dimension (L*W*H)	134mm*82mm*27mm			
Net /Gross Weight	<0.6kg/<0.8kg			
Installation	Desktop			
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.			

DIMENSION

APPLICATION



ORDERING INFORMATION

Model	Description		
	Multi-mode dual fiber media converter with 4*10/100M RJ45 ports and		
ONV0110-MCX-S4	1*155M SC fiber port. Total power is 4W. 850nm/ 0-550m, 1310nm/		
	0-2km. External power supply.		
	Single-mode dual fiber media converter with 4*10/100M RJ45 ports		
ONV0110-SCX-S4	and 1*155M SC fiber port. Total power is 4W. 1310nm/ 0-20km. External		
	power supply.		
	Single-mode single fiber media converter with 4*10/100M RJ45 ports		
ONV0110S-SCX-S4-A	and 1*155M SC fiber port. Total power is 4W. 1310nm/ 0-20km. External		
	power supply.		
ONV0110S-SCX-S4-B	Single-mode single fiber media converter with 4*10/100M RJ45 ports		
	and 1*155M SC fiber port. Total power is 4W. 1550nm/0-20km. External		
	power supply.		

PACKING LIST

Packing List	Content		Unit
	5-port 10/100M single-mode dual fiber media converter	1	Set
	Power Supply (5V-1A)	1	PC
	User Guide, Warranty Card, and Certificate of Conformity		PC

CONTACT US

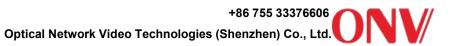
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