

## Product Datasheet

# 5-port Gigabit Single-mode Dual Fiber Media Converter (ONV1110-SLX-S4)



## OVERVIEW

The ONV1110-SLX-S4 is a gigabit fiber media converter independently developed by ONV. It has 4\*10/100/1000Base-T RJ45 ports and 1\*1000M uplink SC/LC 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

### ■ Gigabit photoelectric Ethernet conversion transmission

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Support gigabit RJ45 port and gigabit 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 802.3ab 1000Base-T, IEEE802.3z 1000Base-X network protocol, gigabit R45 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.

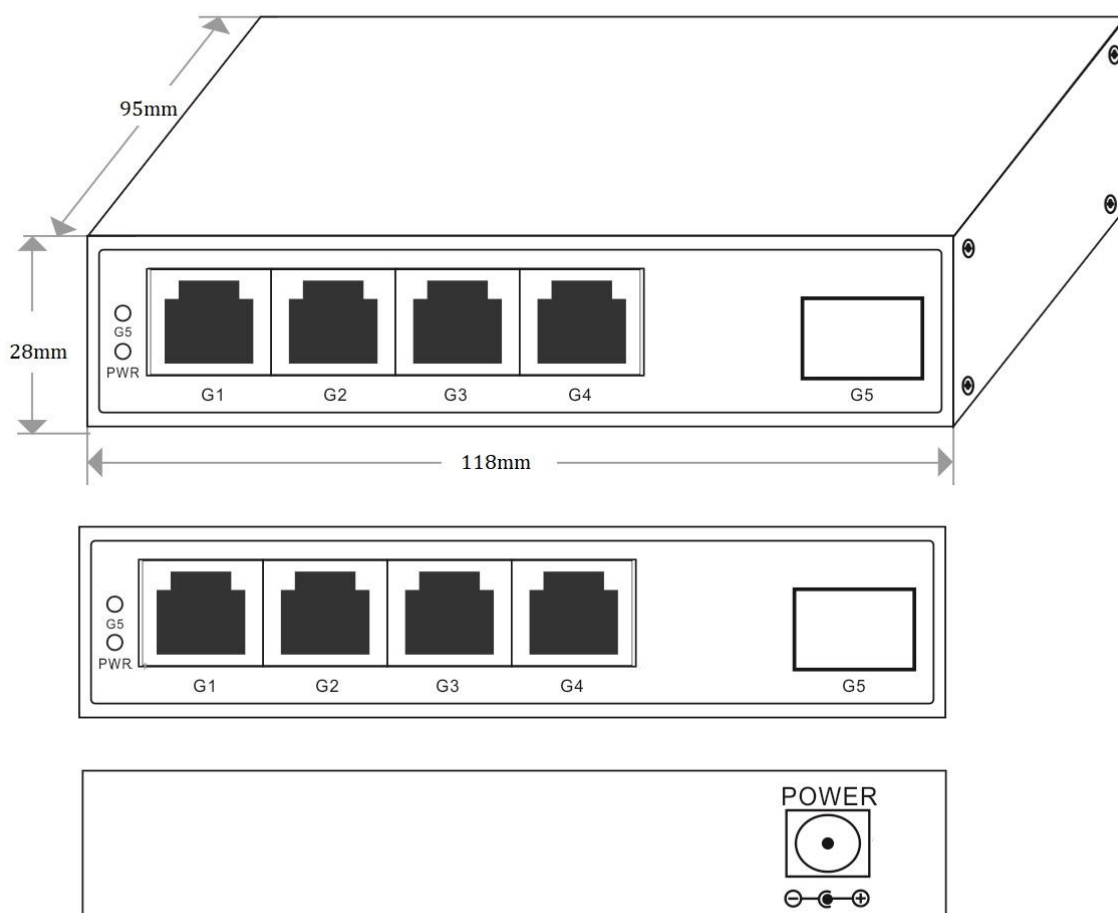
## TECHNICAL SPECIFICATION

Model	ONV1110-MLX-S4	ONV1110-SLX-S4	ONV1110S-SLX-S4
<b>Interface Characteristics</b>			
Interface	1*1000M uplink SC/LC fiber port (Data) 4*10/100/1000Base-T RJ45 ports (Data)		
Ethernet Port	10/100/1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption		
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)		
Optical Fiber Port	1.25Gbps, multi-mode dual fiber LC interface	1.25Gbps, single-mode dual fiber LC interface	1.25Gbps, single-mode single fiber LC interface
Optical Cable/	Multi-mode: 850nm/	Single-mode: 1310nm/ 0- 40km, 1550nm/ 0-120km.	

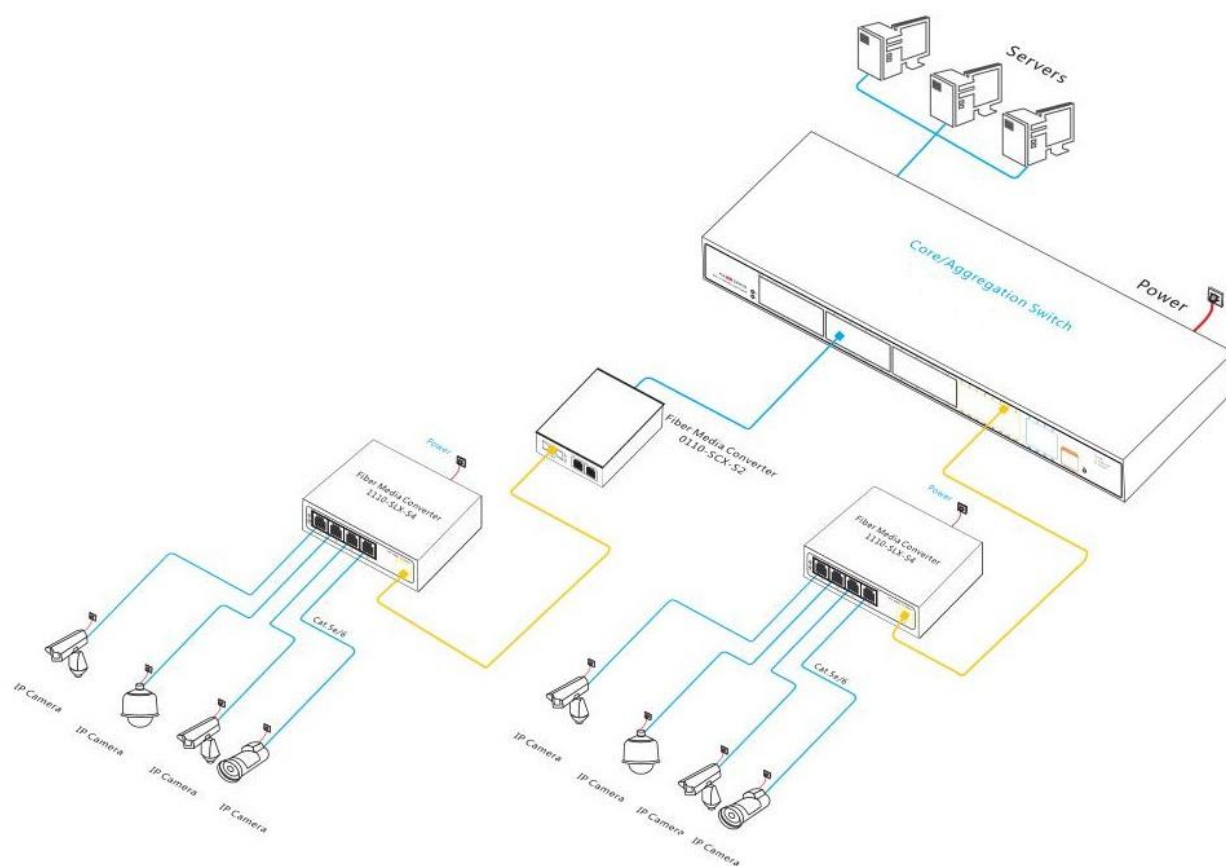
Distance	0-500m
<b>Chip Parameter</b>	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	10Gbps
Forwarding Rate@64byte	7.44Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	1632byte
LED Indicator	Power: PWR (Green) ON/OFF Data: Link (Green) ON/OFF/Blink, Fiber: G5 (Green)ON/OFF/Blink
<b>Power Supply</b>	
Total PWR / Input Voltage	6W/ (12VDC)
Power Consumption	Standby<1W, Full Load<6W
<b>Physical Parameter</b>	
Operation TEMP/ Humidity	-20°C~+55°C, 5%~90% RH Non condensing
Storage TEMP/ Humidity	-40°C~+85°C, 5%~95% RH Non condensing
Dimension	118*95*28mm
Net /Gross Weight	<0.3kg / <0.8kg
Installation	Desktop, Wall-mounted
<b>Certification &amp; Warranty</b>	

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
ONV1110-MLX-S4	Gigabit <b>multi-mode dual fiber</b> media converter with 4*10/100/1000M RJ45 ports and 1*1.25G SFP fiber port. Total power is 5W. 850nm/ 0-500m. External power supply.
ONV1110-SLX-S4	Gigabit <b>single-mode dual fiber</b> media converter with 4*10/100/1000M RJ45 ports and 1*1.25G SFP fiber port. Total power is 5W. 1310nm/ 0-20km. External power supply.
ONV1110S-SLX-S4-A	Gigabit <b>single-mode single fiber</b> media converter with 4*10/100/1000M RJ45 ports and 1*1.25G SFP fiber port. Total power is 5W. 1310nm/ 0-20km. External power supply.

ONV1110S-SLX-S4-B

Gigabit **single-mode single fiber** media converter with 4\*10/100/1000M RJ45 ports and 1\*1.25G SFP fiber port. Total power is 5W. 1550nm/ 0-20km. External power supply.

## PACKING LIST

	Content	Qty	Unit
Packing List	5-port gigabit single-mode dual fiber media converter	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

## CONTACT US



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