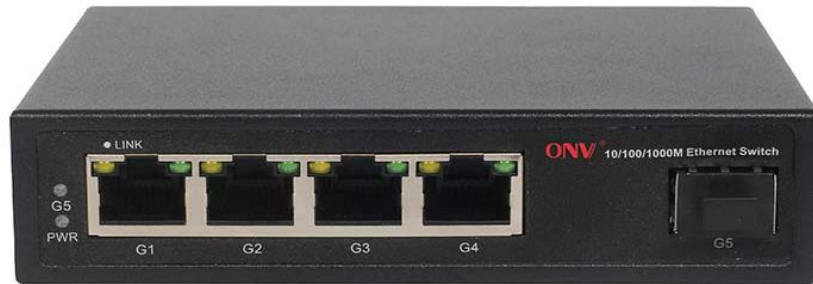**Product Datasheet**

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 SFP 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 the enterprise-class Realtek 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, smart 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 IEEE 802.3x and half-duplex based on Backpressure.

◇ Support Gigabit RJ45 port and SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

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■ Easy to use

◇ 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.

◇ Plug and play, no configuration, centralized power supply, and centralized connection management through 2U-14 slot rack.

◇ Compatible with IEEE 802.3ab 1000Base-T, IEEE802.3z 1000Base-X network protocol, gigabit R45 port rate auto-negotiation.
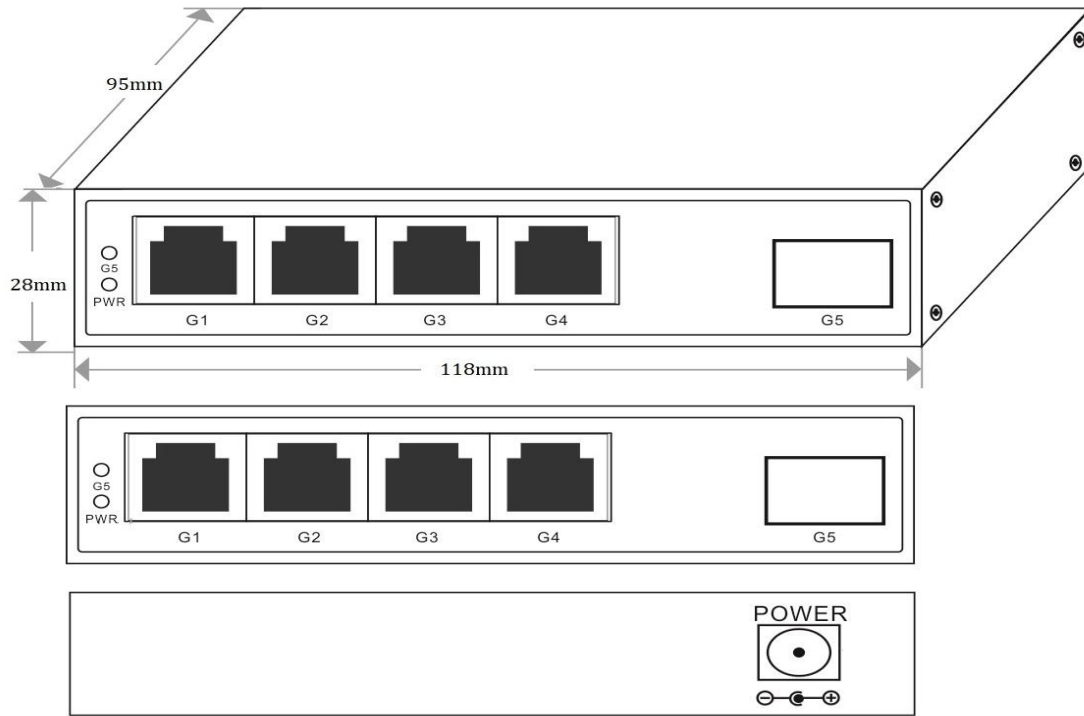

■ Stable and reliable

◇ CCC, CE, FCC, RoHS.

◇ Low power consumption, No fan, galvanized steel housing, and excellent heat dissipation ensure stable operation of the product.
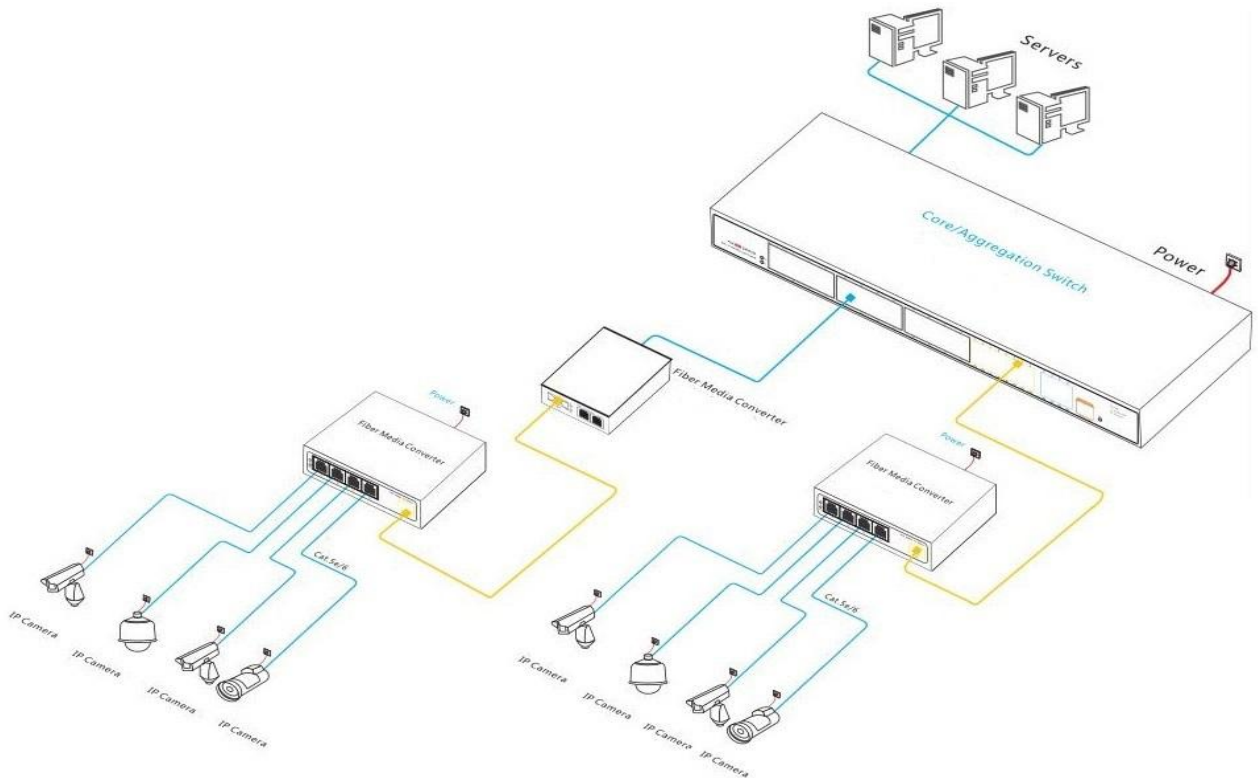

TECHNICAL SPECIFICATION

Model	ONV1110-MLX-S4	ONV1110-SLX-S4	ONV1110S-SLX-S4-A/B
Interface Characteristics			
Interface	1*1000M uplink SFP fiber port (Data) 4*10/100/1000Base-T RJ45 ports (Data)		
Ethernet Port	Port 1-4 can support 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	1.25G multi-mode dual fiber LC interface	1.25G single-mode dual fiber LC interface	1.25G single-mode single fiber LC interface
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m	Single-mode: 1310nm/ 0- 40km, 1550nm/ 0-120km	

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Chip Parameter	
Network Protocol	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, IEEE 802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	10Gbps (non-blocking)
Forwarding Rate @64byte	7.44Mpps
MAC	2K
Buffer Memory	2M
LED Indicator	Power: PWR (Green), Network: Link (Green), Fiber port: G5 (Green)
Power Supply	
Total PWR/ Input Voltage	6W/ (12VDC)
Power Consumption	Standby<1W, Full Load<6W
Physical Parameter	
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	0.35kg/ 0.5kg
Installation	Desktop, Wall mount
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

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DIMENSION

APPLICATION

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ORDERING INFORMATION

Model	Description
ONV1110-MLX-S4	Gigabit multi-mode dual fiber media converter with 4*10/100/1000M RJ45 ports and 1*1.25G SFP fiber port. Total power is 5W. 850nm/ 0-550m. External power supply.
ONV1110-SLX-S4	Gigabit single-mode dual fiber 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 single-mode single fiber 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
	Power Adapter 12V/1A	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

CONTACT US

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