Product Datasheet

6-port 2.5G Ethernet Switch
(ONV57064FB)

OVERVIEW

The ONV57064FB is a 2.5G Ethernet switch independently developed by ONV. It's a high-performance, easy-to-maintain 10G uplink Ethernet switch designed for high-speed forwarding network environments such as hotels, banks, campuses, factory dormitories, and small and medium-sized enterprises. It has 4*10/100/1000/2500Base-T adaptive RJ45 ports and 2*1/2.5/10G SFP+ uplink SFP+ fiber ports. All ports support line-speed forwarding, and an 8MB large-capacity buffer ensures the timely transmission of large files and stable video streaming. It provides 7*24-hour stable connectivity, effectively solving problems such as video stuttering and image loss in high-definition monitoring environments. Plug and play, no configuration, it's an ideal choice for improving network performance.

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FEATURE

■ **2.5G access, uplink 1/10G SFP+ fiber port**

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE 802.3x and half-duplex based on Backpressure.

◇ Support 2.5G RJ45 port and 1/10G uplink SFP+ fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.
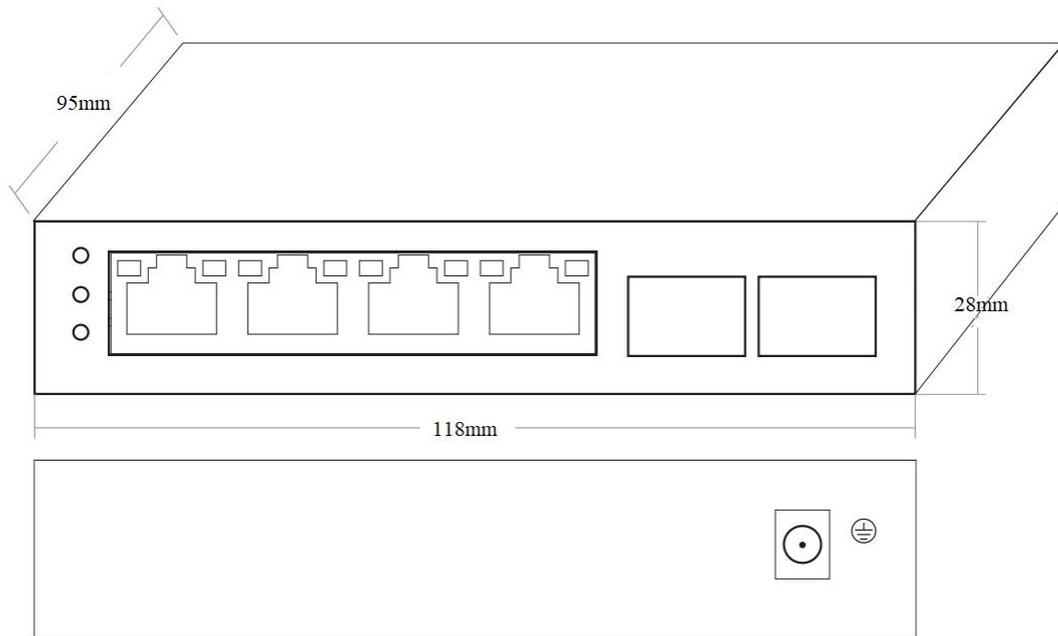
■ **Stable and reliable**

◇ CQC, CE, FCC, RoHS.

◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, and L/A.

◇ Low power consumption, galvanized steel housing, and excellent heat dissipation to ensure stable operation of the switch.
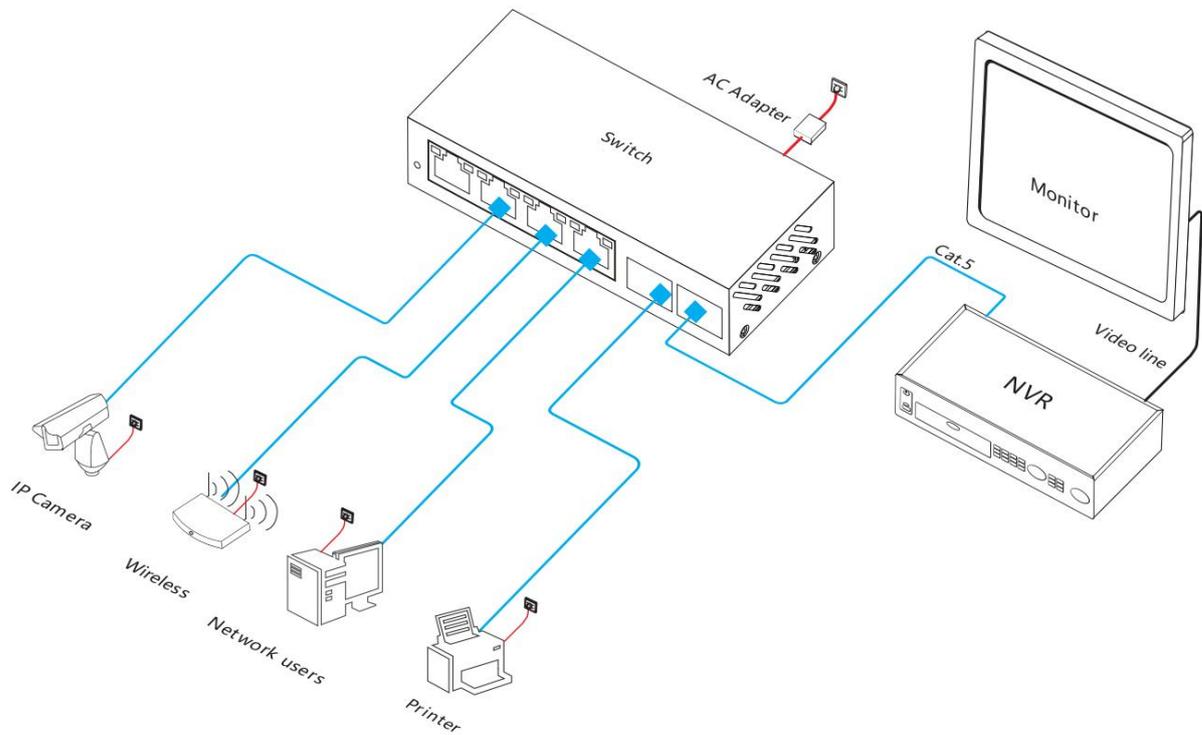
TECHNICAL SPECIFICATION

Model	ONV57064FB
Interface Characteristics	
Fixed Port	2*1/10G uplink SFP+ fiber ports (Data) 4*10/100/1000/2500Base-T RJ45 ports (Data)
Ethernet Port	Port 1-4 can support 10/100/1000/2500Base-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) 2500BASE-T: Cat6a or later UTP (≤100 meters)
Optical Fiber Port	Default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m, 10G: 850nm/ 0-300m, Single-mode: 1310nm/

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3	0-40km, 1550nm/ 0-120km
Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X, IEEE802.3bz 2.5GBase-T, IEEE802.3ae 10GBase-SR/LR, IEEE802.3x
Forwarding Mode	Store and forward (Full wire speed)
Switching Capacity	60Gbps (non-blocking)
Forwarding Rate@64byte	44.64Mpps
MAC	4K
Buffer Memory	4M
Jumbo Frame	4K
LED Indicator	Power: PWR (Green), Network: Link (Yellow), Fiber port: L/A (Green)
Power Supply	
Total PWR/ Input Voltage	12W/ (AC100V-240V)
Power Consumption	Standby<3W, full load<8W
Power Supply	External power supply, AC100-240V 50-60Hz, 0.3A
Physical Parameter	
Operation Temp/ Humidity	-20°C~+55°C, 5%~90% RH non condensing
Storage Temp/ Humidity	-40°C~+80°C, 5%~95% RH non condensing
Dimension (L*W*H)	118*95*28mm
Net /Gross Weight	0.3kg/0.6kg
Installation	Desktop, Wall mount
Certification& Warranty	
Lightning Protection	Protection level: IP30, Lightning protection: 4KV 8/20us
Certification	CQC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS
Warranty	3 years, lifelong maintenance.

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DIMENSION

95mm

28mm

118mm

APPLICATION

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ORDERING INFORMATION

Model	Description	External Power Supply
ONV57064FB	Unmanaged Ethernet switch with 4*10/100/1000/2500M RJ45 ports and 2*1/10G uplink SFP+ fiber ports. External power supply.	12W

Note: The optical module is not included and needs to be purchased.

PACKING LIST

	Content	Qty	Unit
Packing List	6-port 2.5G Ethernet switch	1	Set
	AC power cord+power adapter	1	PC
	User Guide	1	PC
	Warranty Card and Certificate of Conformity	1	PC

OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630	SFP optical module, 1.25G multi-mode dual fiber 850nm, transmission distance: 550m, LC interface. supports DDM function and hot plugging.	PC
	2632	SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm/ RX1550nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm/	PC

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	6	RX1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	
	2612-T-SC	SFP optical module, 1.25G single-mode single fiber TX1310nm/ RX1550nm, transmission distance: 20km, SC interface. supports DDM function and hot plugging.	PC
	2613-R-SC	SFP optical module, 1.25G single-mode single fiber TX1550nm/ RX1310nm, transmission distance: 20km, SC interface. supports DDM function and hot plugging.	PC
10G Optical Module	6630	SFP+ optical module, 10G multi-mode dual fiber 850nm, transmission distance: 300m, LC interface. supports DDM function and hot plugging.	PC
	7832	SFP+ optical module, 10G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	7832-33	SFP+ optical module, 10G single-mode single fiber TX1330nm/ RX1270nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC
	7832-27	SFP+ optical module, 10G single-mode single fiber TX1270nm/ RX1330nm, transmission distance: 20km, LC interface. supports DDM function and hot plugging.	PC

CONTACT US

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