Product Datasheet

10-port Gigabit Ethernet Switch

(ONV-H3008FO)

OVERVIEW

The ONV-H3008FO is a gigabit Ethernet fiber switch independently developed by ONV. It has 2*10/100/1000M RJ45 ports and 8*1000M SFP fiber ports. Each port can support wire-speed forwarding. It is not affected by the transmission medium and realizes a convenient connection and expansion of the network. 2M large-capacity packet forwarding buffer, ensuring timely transmission of large files and stable video streaming, stable 7*24 hours without dropping, effectively solving problems such as video stuttering and picture loss in high-definition monitoring environments. It is suitable for network environments that require high-speed forwarding, such as hotels, banks, campuses, scenic spots, supermarkets, factory dormitories, and small and medium-sized enterprises. Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ **Gigabit multi-fiber port access, uplink RJ45 port**

◇ 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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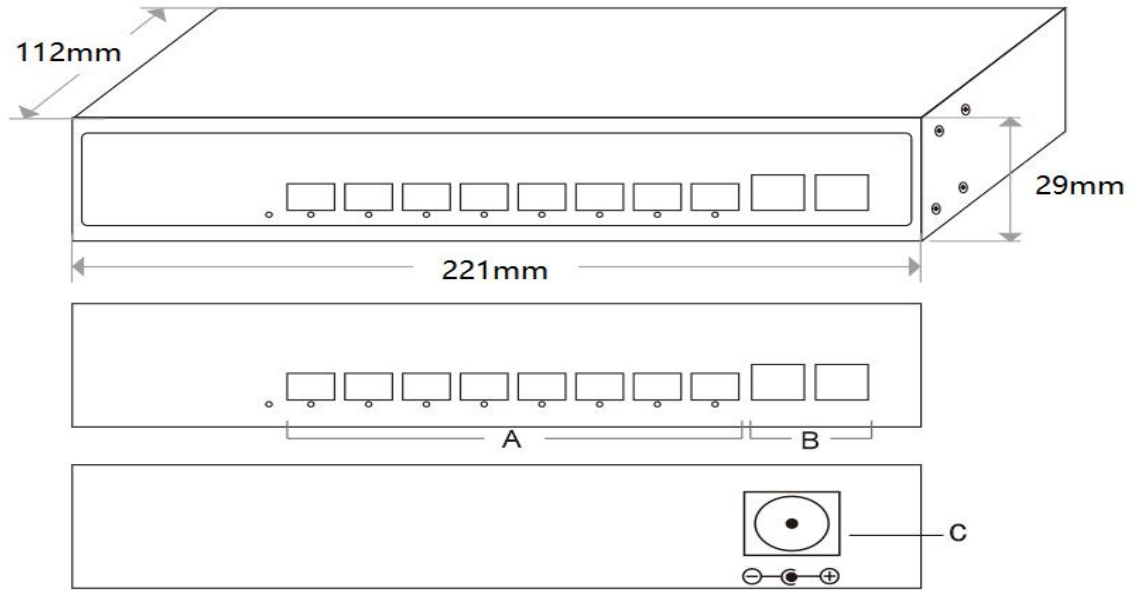Optical Network Video Technologies (Shenzhen) Co., Ltd **ONV**

■ **Stable and reliable**

◇ CCC, CE, FCC, RoHS.

◇ Plug and play, no setup, simple and convenient to use.

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

◇ Self-developed power supply, high redundancy design, providing a long-term and stable power output.

◇ Low power consumption, no fan, galvanized steel metal housing, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

Model	ONV-H3008FO
Interface Characteristics	
Fixed Port	8*1000Base-X SFP fiber ports (Data) 2*10/100/1000Base-T uplink RJ45 ports (Data)
Ethernet Port	Port 9-10 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	Gigabit 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, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km
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)

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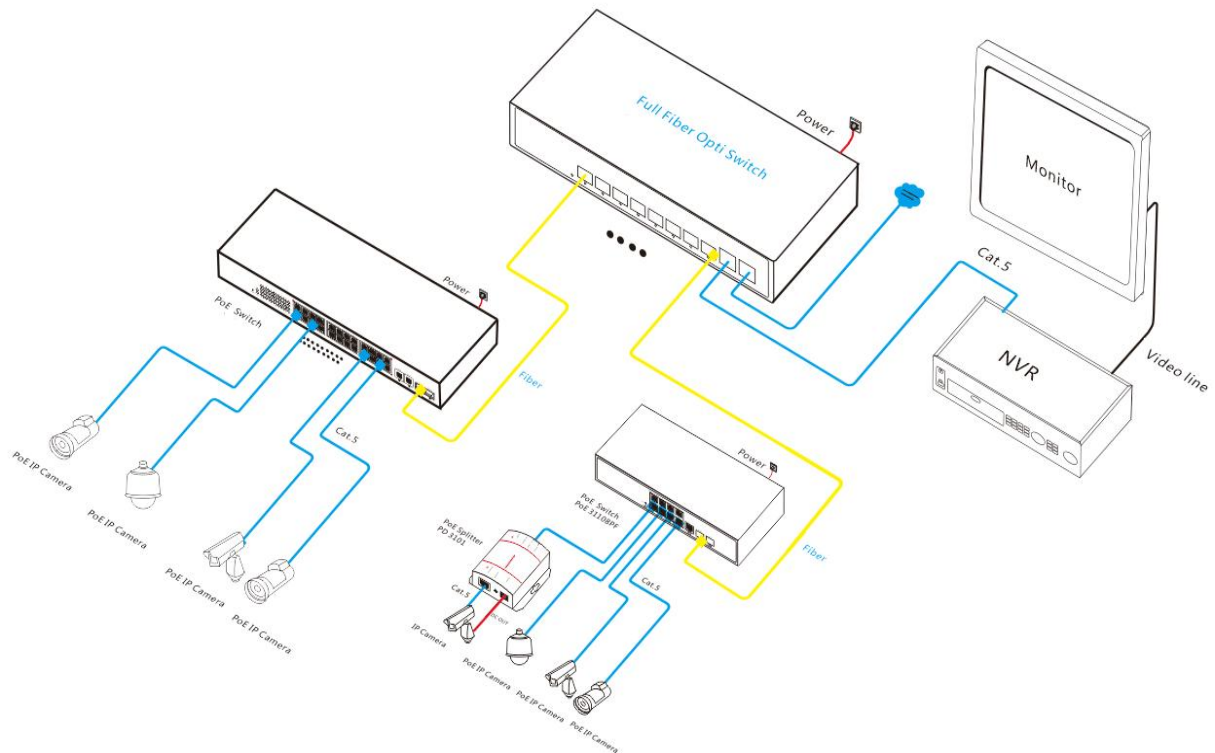| Switching Capacity	20Gbps (non-blocking)
Forwarding Rate @64byte	14.88Mpps
MAC	8K
Buffer Memory	2M
Jumbo Frame	10K
LED Indicator	Power: PWR (Green), Data: Link (Yellow), Rate: 100/1000M (Green)
Power Supply	
Total PWR / Input Voltage	10W/DC12V
Power Consumption	Standby<6W, Full load<10W
Power Supply	External power adapter, AC100 -240V 50-60Hz, 0.35A
Physical Parameter	
Operation Temp/ Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage Temp/ Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension (L*W*H)	221*112*29mm
Net /Gross Weight	0.65kg / 0.95kg
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	1 year, lifelong maintenance.

DIMENSION

112mm

29mm

221mm

A — B

C

A. 8*1000M SFP fiber ports   B. 2*10/100/1000M RJ45 ports

C. DC power port

APPLICATION

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ORDERING INFORMATION

Model	Description	External Power Adapter
ONV-H3008FO	Unmanaged Ethernet switch with 2*10/100/1000M RJ45 ports and 8*1000M uplink SFP ports. External power adapter.	12W

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

PACKING LIST

Packing List	Content	Qty	Unit
	10-port gigabit Ethernet switch	1	Set
	DC12V Power Adapter	1	PC
	Mounting Kit (Hanging Ear)	1	Pair
	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	PC

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6		interface, supports DDM function and hot plugging.	
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm/ RX1310nm, transmission distance: 20km, LC interface, supports DDM function and hot plugging.	PC
	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
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

RELATED PRODUCT

Model	Description
ONV-H1016	Unmanaged Ethernet switch with 16*10/100M RJ45 ports. It built-in 20W power supply and 1U/19" cabinet installation.
ONV-H1024	Unmanaged Ethernet switch with 24*10/100M RJ45 ports. It built-in 20W power supply and 1U/19" cabinet installation.
ONV-H3016	Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports. It built-in 20W power supply and 1U/19" cabinet installation.
ONV-H3024	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports. It built-in 20W power supply and 1U/19" cabinet installation.

CONTACT US

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