

Product Datasheet

10-port Full Gigabit Ethernet Fiber Switch

(ONV-H3008FO)



OVERVIEW

The ONV-H3008FO is a full gigabit Ethernet fiber switch independently developed by ONV. It is a network environment specially designed for hotels, banks, campuses, attractions, commercial supermarkets, factories, parks, governments and SMB small and medium enterprises that require high-speed forwarding. And designed a high performance, easy to maintain Ethernet switch. 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. The ONV-H3008FO switch adopts a high-strength all-steel housing, which is simple and stylish, exquisite and beautiful.

Unmanaged model, plug and play, no configuration, easy to use.

FEATURE

■ Gigabit SFP fiber port access, gigabit RJ45 ports uplink

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ Support 10/100/1000M Ethernet port and Gigabit SFP fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ Stable and reliable, easy to use

- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no setup, simple and convenient to use.
- ◇ Low power consumption, no fan, galvanized steel metal casing.
- ◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable power output.

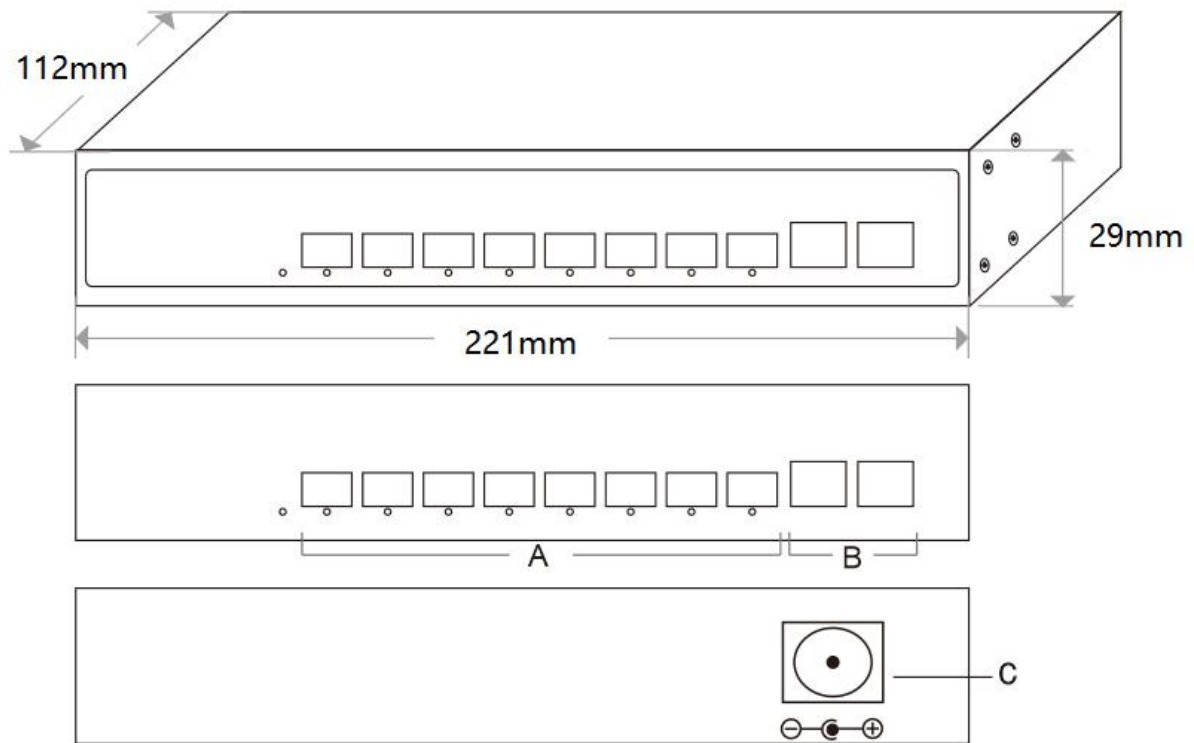
TECHNICAL SPECIFICATION

Model	ONV-H3008FO
Interface Characteristics	
Fixed Port	8*1000Base-X SFP slot ports(Data) 2*10/100/1000Base-T uplink RJ45 ports (Data)
Ethernet Port	Port 9-10 support 10/100/1000Base-T automatic detection, full / half duplex MDI/MDI-X adaptive
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)
SFP Slot Port	Gigabit SFP optical fiber interface, default no include optical modules (optional order single-mode /multi-mode, single fiber /dual fiber optical

	module. LC)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-500M, Single-mode: 1310nm/ 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, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	20Gbps
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	2MB
Jumbo Frame	10KB
LED Indicator	Power: PWR (Green), Data: Link (Yellow), Speed: 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	<0.7kg / <1.0kg
Installation	Desktop, Wall-mounted
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

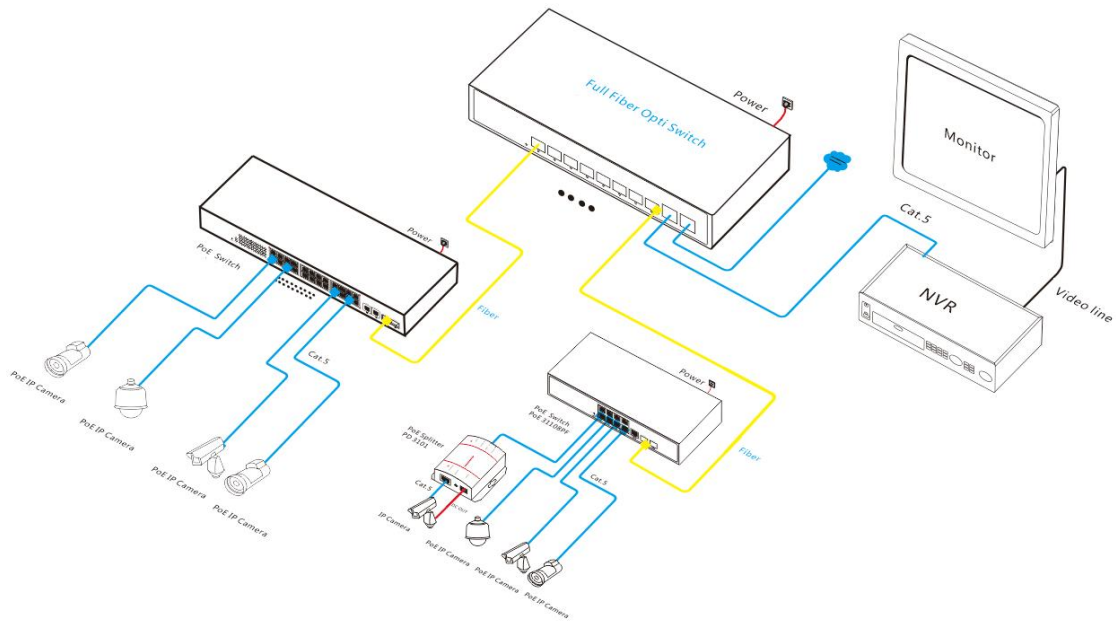


A. 8*1000M SFP fiber ports

B. 2*10/100/1000M RJ45 ports

C. DC power port

APPLICATION



ORDERING INFORMATION

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

Note: The Ethernet switch no include SFP optical module. and needs to be purchased separately.

PACKING LIST

Packing List	Content	Qty	Unit
	10-port full gigabit Ethernet fiber switch	1	SET
	DC12V Power Adapter	1	PC
	Mounting Kits (Hanging Ears)	1	SET
	User Guide	1	PC
	Warranty Card	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, support DDM function, support hot plug and pull.	PC
	2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM function, support hot plug and pull.	PC
	2612-T-SC	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
	2613-R-SC	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, SC interface, support DDM function, support hot plug and pull.	PC
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

RELATED PRODUCT

Model	Description
ONV33012FM	L2+ managed Ethernet fiber switch with 2*10/100/1000M RJ45 ports and 12*100/1000M SFP fiber ports. Built-in 30W power supply. Support 1U/19 inch rack installation.
ONV36168FM	L2+ managed Ethernet fiber switch with 8*10/100/1000M RJ45 ports and 8*100/1000M SFP fiber ports. Built-in 30W power supply. Support 1U/19 inch rack installation.
ONV56368FM	L2+ managed Ethernet fiber switch with 8*10/100/1000M SFP/RJ45 combo ports and 16*100/1000M SFP fiber ports. Built-in 60W power supply. Support 1U/19 inch rack installation.

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