

Product Datasheet

18-port Gigabit Ethernet Switch

(ONV-H3218F)



OVERVIEW

The ONV-H3218F is a gigabit Ethernet fiber switch independently developed by ONV. It has 16*10/100/1000M adaptive RJ45 ports and 2*1000M SFP fiber ports. The RJ45 and SFP combined port can be unaffected by the transmission medium, realizing convenient connection and expansion of the network. The scheme of the large backplane and large cache switching chip is preferred to improve the forwarding rate of large files and effectively solve the problems of video freeze and picture loss in the high-definition surveillance environment. It is suitable for hotels, banks, campuses, factory quarters, and small and medium-sized enterprises to establish a cost-effective network. Unmanaged mode, plug and play, no configuration, simple and convenient to use.

FEATURE

■ Gigabit rate, high-speed 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.

■ Stable and reliable

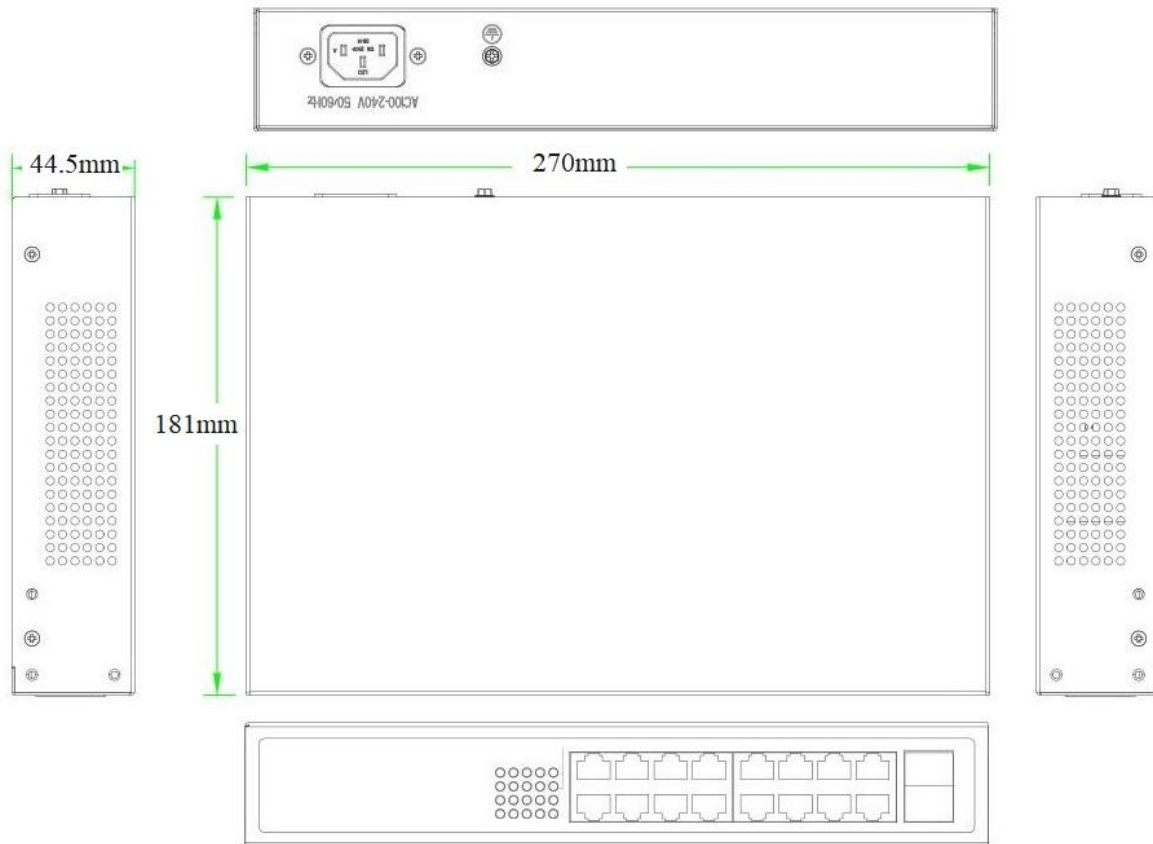
- ◇ CCC, CE, FCC, RoHS.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel can show the device status through the LED indicator of Link/Act and PWR.
- ◇ Self-developed power supply, high redundancy design, providing a long-term and stable power output.
- ◇ Low power consumption, with fan, galvanized steel metal housing, and excellent heat dissipation to ensure the stable operation of the switch.

TECHNICAL SPECIFICATION

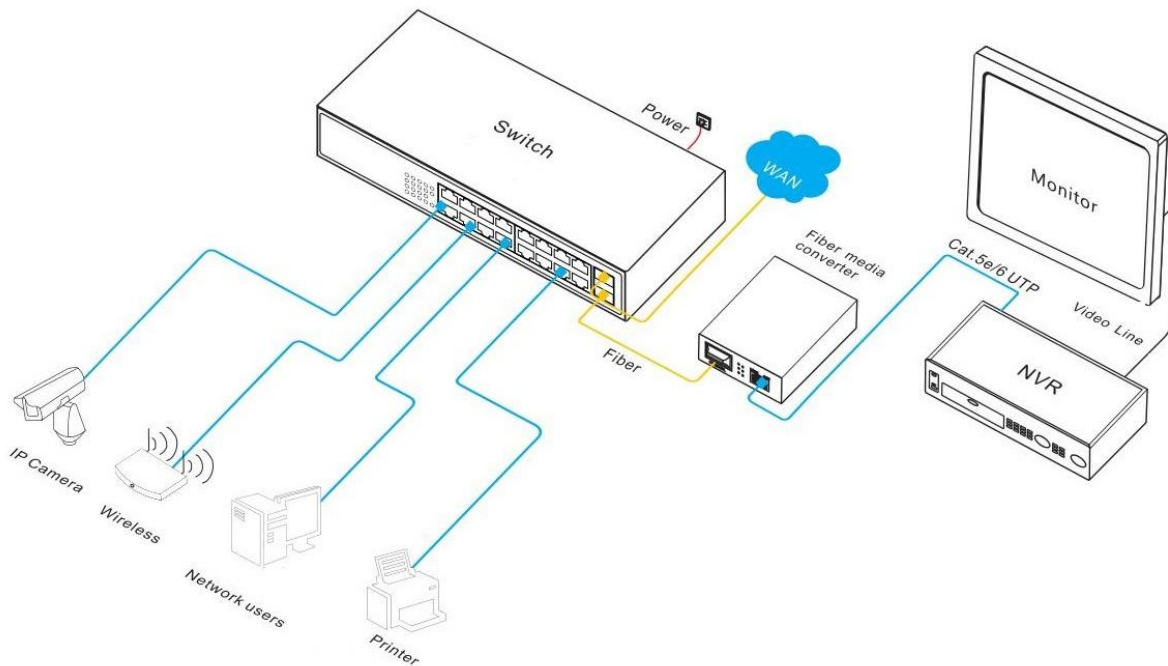
Model	ONV-H3218F	ONV-H3226F
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber ports (Data)	24*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP fiber ports (Data)
Ethernet Port	Port 1-16/ 1-24 can support 10/100/1000Base-T auto-sensing, 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	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-TX, IEEE 802.3z 1000Base-X, IEEE 802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	48Gbps (non-blocking)	52Gbps (non-blocking)
Forwarding Rate @64byte	26.78Mpps	38.69Mpps
MAC	8K	
Buffer Memory	4M	
LED Indicator	Power: PWR (Green), Network: Link/Act (Green)	
Power Supply		
Total PWR / Input Voltage	30W/ (100-240V)	
Power Consumption	Standby<7W, Full Load<16W	Standby<8W, Full Load<20W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 0.56A	
Physical Parameter		
Operation Temp/ Humidity	-20°C~+55°C, 5%~90% RH Non condensing	
Storage Temp/ Humidity	-40°C~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	270*180*44.5mm	330*204*44mm
Net /Gross Weight	1.1kg /1.6kg	1.45kg /2.0kg
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



APPLICATION



ORDERING INFORMATION

Model	Description	Built-In Power Supply
ONV-H3218F	Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports and 2*1000M SFP fiber ports. It built-in power supply and 1U/19" cabinet installation.	30W
ONV-H3226F	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports and 2*1000M SFP fiber ports. It built-in power supply and 1U/19" cabinet installation.	30W

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

PACKING LIST

	Content	Qty	Unit
Packing List	18-port gigabit Ethernet switch	1	SET
	AC Power Cable	1	PC
	Mounting Kit	1	SET
	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	PC

		function and hot plugging.	
	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/ 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

CONTACT US

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