Product Datasheet

28-port Gigabit Ethernet Switch
(ONV-H3028FB)

OVERVIEW

The ONV-H3028FB is a Gigabit Ethernet switch independently developed by ONV. It has 4*1000Base-X uplink SFP fiber ports and 24*10/100/1000Base-T adaptive RJ45 ports. The RJ45 and SFP fiber 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.

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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.
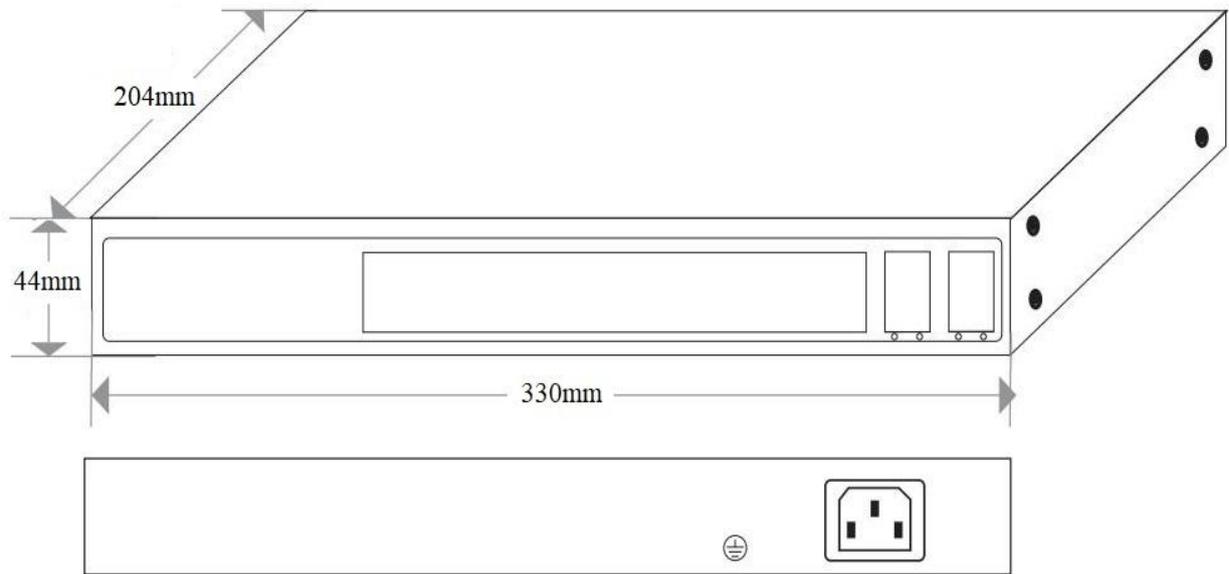
■ **Stable and reliable**

◇ CQC, CE, FCC, RoHS.

◇ Plug and play, no configuration, simple and convenient.

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

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

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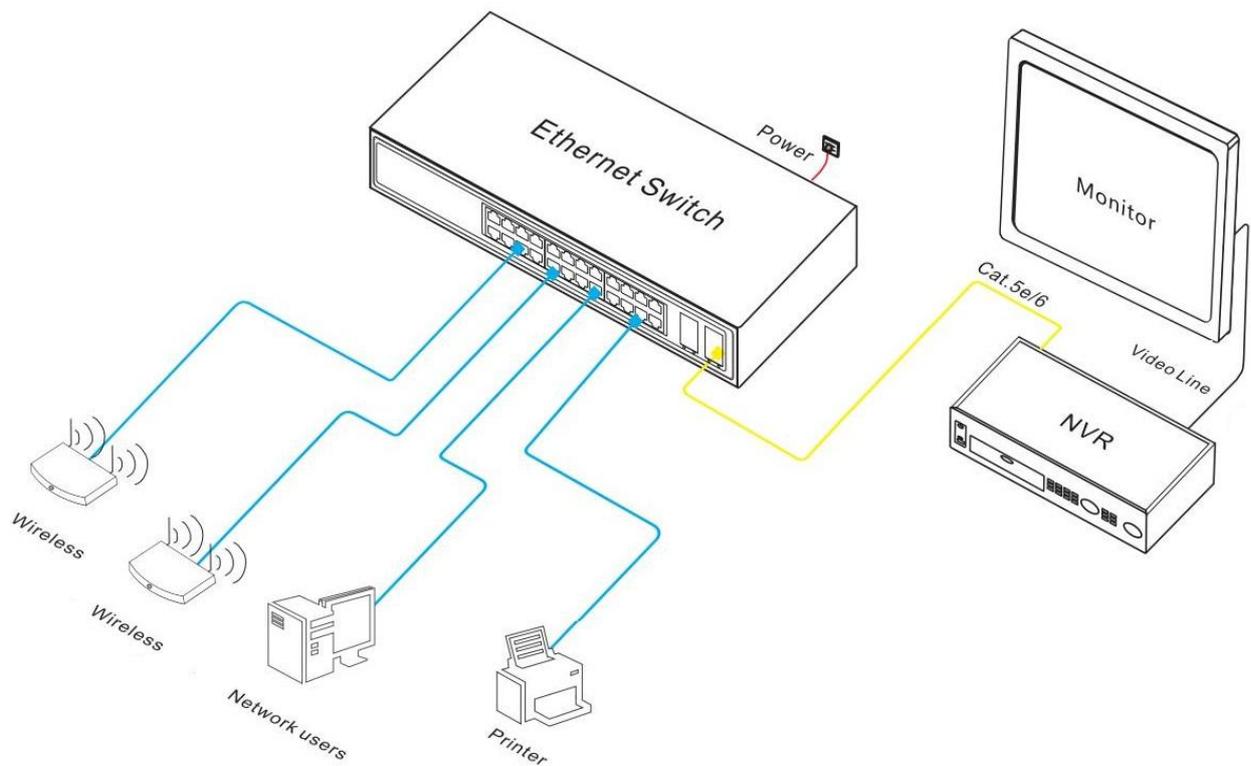
TECHNICAL SPECIFICATION

Model	ONV-H3028FB
Interface Characteristics	
Fixed Port	24*10/100/1000Base-T RJ45 ports (Data) 4*1000Base-X uplink SFP fiber ports (Data)
Ethernet Port	Port 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

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	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	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and forward (Full wire speed)
Switching Capacity	56Gbps (non-blocking)
Forwarding Rate@64byte	41.66Mpps
MAC	8K
Buffer Memory	4.1M
LED Indicator	Power: PWR (Green), Network: Link/ Act (Green)

Power Supply

Total PWR/ Input Voltage	30W/ (AC100-240V, 50-60Hz)
Power Consumption	Standby<12W, 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)	330*204*44mm
Net /Gross Weight	1.5kg /2.1kg
Installation	Desktop, Wall mount, 1U/19" cabinet

Certification& Warranty

Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CQC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15, RoHS
Warranty	1 year, lifelong maintenance.

DIMENSION

APPLICATION

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ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H3028FB	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports and 4*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	28-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 function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm/ RX1550nm, transmission distance: 20km, LC interface, supports	PC

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6			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

CONTACT US

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