Product Datasheet

11-port Gigabit PoE Switch

(ONV-H3108PFD)

OVERVIEW

The ONV-H3108PFD is a Gigabit PoE fiber switch independently developed by ONV. It has 10*10/100/1000Base-T RJ45 ports and 1*1000Base-X uplink SFP fiber port. Port 1-8 can support PoE+ power supply, and the single-port PoE power reaches 30W. As a PoE power supply device, it can automatically detect and recognize the power-receiving equipment that meets the standard and supply power through the network cable. It can supply power to PoE terminal equipment such as wireless AP, IP camera, VoIP phone, video access control intercom, etc., through a network cable to meet the network environment that needs a high-density PoE power supply. It is suitable for hotels, campuses, factory quarters, and small and medium-sized enterprises to form an economically efficient network. Unmanaged mode, plug and play, no configuration, easy to use.

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FEATURE

■ **Gigabit access, uplink RJ45/ SFP fiber port**

◇ Support non-blocking wire-speed forwarding for smoother transmission.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

◇ Provide Gigabit RJ45 ports and SFP fiber port for flexible networking and meets the networking requirements of various scenarios.

■ **Smart PoE power supply**

◇ Comply with PoE+ power standard, automatically identify PoE devices for power without damaging non-PoE devices.

◇ 8*10/100/1000Base-T RJ45 ports support PoE power to meet the needs of PoE power in various scenarios in the security field.

■ **Innovative function**

◇ **PoE watchdog:** The watchdog function is enabled by default for port 1-8, which can automatically detect the data communication status in real-time. When the port communication fails, the corresponding port PoE will automatically restart.

◇ **Long distance + VLAN mode (E):** When the switch is turned to ON (default OFF), the rate of ports 1-8 is 10M, and the maximum transmission distance is up to 250 meters. At the same time, the physical VLAN isolation function of ports 1-8 is enabled.
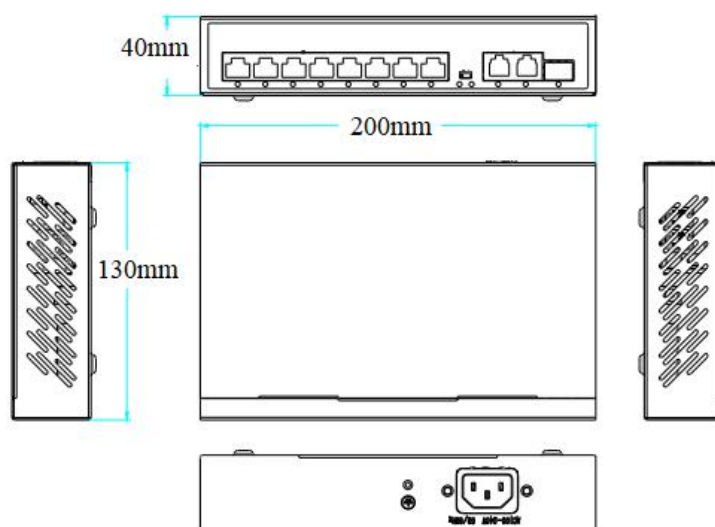
■ **Stable and reliable**

◇ 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 PWR, Link, and PoE.

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

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TECHNICAL SPECIFICATION

Model	ONV-H3108PFD
Interface Characteristics	
Fixed Port	1*1000Base-X uplink SFP fiber port (Data) 2*10/100/1000Base-T uplink RJ45 ports (Data) 8*10/100/1000Base-T PoE ports (Data/ Power)
Ethernet Port	Port 1-10 can support 10/100/1000Base-T(X) auto-sensing, full/ half duplex MDI/ MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (≤100 meters) 1000BASE-T: Cat5e 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, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km
Function Switch	**E file:** Long distance transmission and VLAN isolation function, Default-OFF, enable-ON, when opening, port 1-8 support 10M/250 meter transmission and PoE watchdog
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	22Gbps (non-blocking)
Forwarding Rate@64byte	16.37Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), PoE: PoE (Red), Function switch: Extend (Green),

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	Network: Link (Green)
PoE& Power Supply	
PoE Port	Port 1-8
Power Supply Pin	1/2(+) 3/6(-)
Max Power Per Port	30W, PoE+
Total PWR / Input Voltage	120W/ (AC100-240V)
Power Consumption	Standby<4W, full load<120W
Power Supply	Built-in power supply, AC100~240V 50-60Hz, 2.2A
Physical Parameter	
Operation Temp/ Humidity	-20~55°C, 5%~90% RH non condensing
Storage Temp/ Humidity	-40~80°C, 5%~95% RH non condensing
Dimension (L*W*H)	200*130*40mm
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, RoHS
Warranty	1 year, lifelong maintenance.

DIMENSION

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ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H3108PFD	PoE switch with 10*10/100/1000M RJ45 ports and 1*1000Base-X uplink SFP fiber ports. Port 1-8 support the PoE+ standard, default support PoE watchdog (auto-restart PoE). Adjustment function switch, 1-8 ports support 10M/250 meter transmission and VLAN isolation. Built-in power supply.	52V/120W
Note: The optical module and mounting ear are not included and need to be purchased.		

PACKING LIST

	Content	Qty	Unit
Packing List	11-port Gigabit PoE fswitch	1	Set
	AC Power Line	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	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

CONTACT US

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