Product Datasheet

6-port Gigabit Easy Managed Ethernet Switch

(ONV-H5064PFM)

OVERVIEW

The ONV-H5064PFM is a Gigabit Easy managed PoE switch independently developed by ONV. It has 4*10/100/1000Base-T adaptive RJ45 ports and 2*1000Base-X uplink SC fiber ports (default single-mode single fiber A and B terminal). Port 1-4 can support IEEE 802.3 af/at PoE standard and single-port PoE power is 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, building visual access control intercom, etc. through the network cable, to meet the network environment that needs a high-density PoE power supply. It suits hotels, campuses, factory dormitories, and small and medium-sized enterprises to form cost-effective networks.

The ONV-H5064PFM can support Web management, ONV-NMS management platform, and mobile APP cloud platform management, which can realize functions such as security network topology management, link aggregation, port management, port mirroring, and remote operation and maintenance. The switch has high reliability, easy installation and

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maintenance, a fast switching function, and multiple access ports, which are suitable for access to LAN devices of various scales.

FEATURE

■ **Gigabit access, uplink SC fiber 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 SC fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.

■ **Smart PoE power supply**

◇ Support remote PoE management, realize remote on/off of PoE ports, port power status check, port fault query, etc.

◇ Comply with IEEE 802.3 af/at PoE standard, automatically identify PoE devices for power supply, and not damage non-PoE devices.

◇ 4*10/100/1000Base-T RJ45 ports can support PoE power to meet the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

■ **Extreme Optimization, minimalist application**

◇ Real-time fault alarm and fault location.

◇ Remote upgrade, remote restart, and factory reset.

◇ Local platform, cloud platform, and mobile APP operation and maintenance management.

◇ Visual network topology management, VLAN division, PoE control, port control, and switching capacity management.

◇ Practical network management functions are retained according to industry application requirements, and network deployment and centralized operation and maintenance can be quickly realized through the operation and maintenance platform.

■ **Stable and reliable**

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◇ CCC, CE, FCC, RoHS.

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

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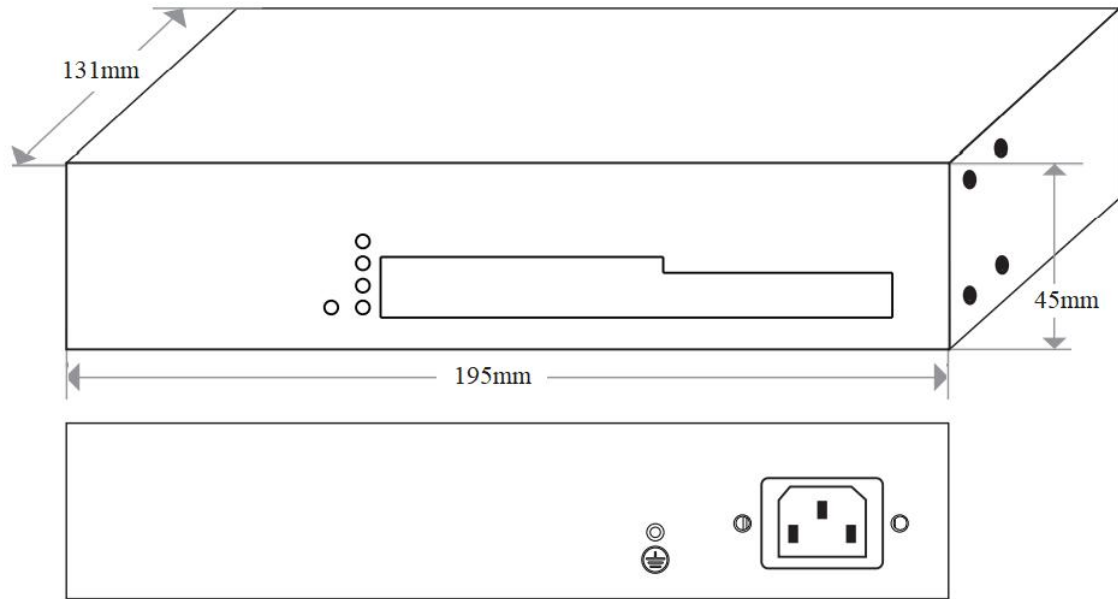
TECHNICAL SPECIFICATION

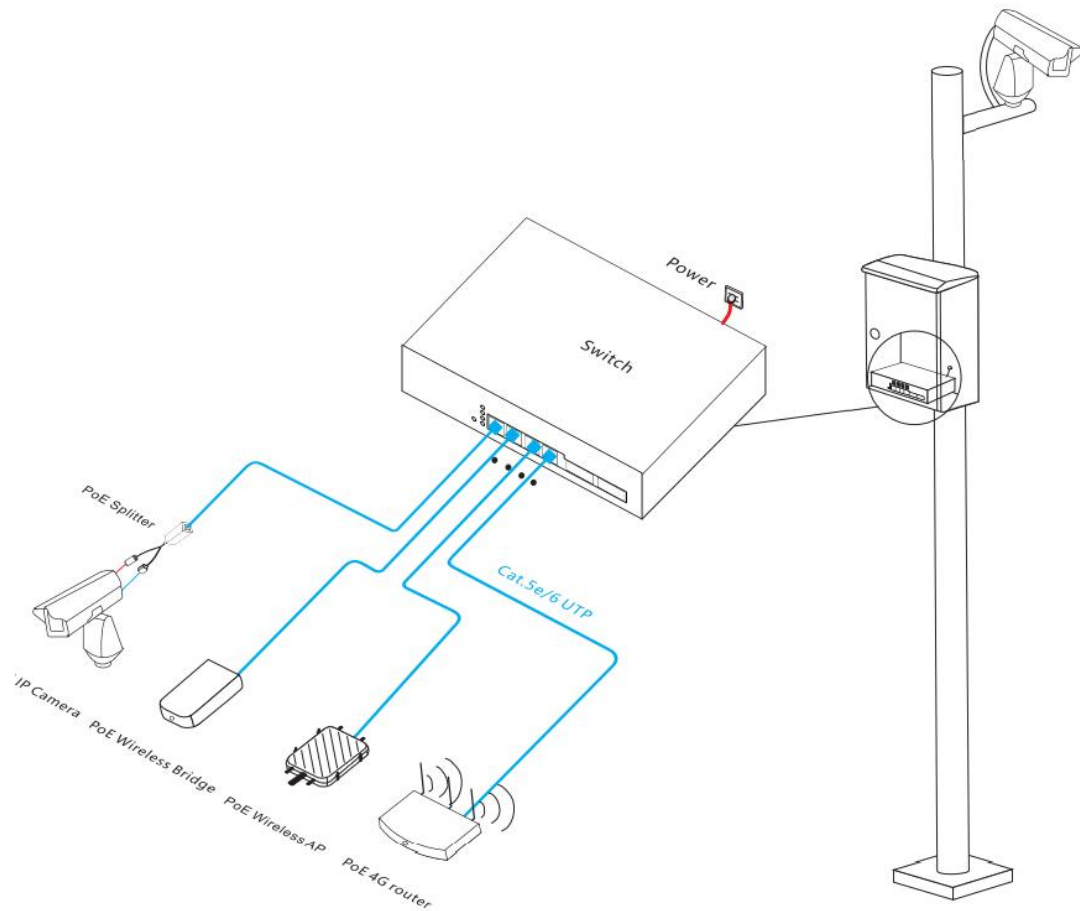| Model	ONV-H5064PFM
Interface Characteristics	
Fixed Port	4*10/100/1000Base-T PoE ports (Power /Data) 2*1000Base-X uplink SC fiber ports (Data) (Default single-mode single fiber A and B terminal)
Ethernet Port	Port 1-4 can support 10/100/1000Base-T(X) auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤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 single-mode single fiber A+B terminal optical module (optional single-mode dual fiber/ multi-mode dual fiber optical module)
Optical Cable/ Distance	Multi-mode: 850nm/ 0-550m, Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km.
Chip Parameter	
Network Management Type	L2 (Web management, platform management)
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)

Switching Capacity	12Gbps (Non-blocking)
Forwarding Rate @64byte	8.93Mpps
MAC	2K
Buffer Memory	2M
Jumbo Frame	9.2K
LED Indicator	Power: PWR (Green), System: SYS (Green), Network: Link (Yellow), Fiber port: GF5-GF6 (Green), DC12V power supply: DC12V (Green)
Reset Switch	Press and hold for 6s and release to restore the factory settings, short press 2 times (1s interval) to switch to the unmanaged state
PoE & Power Supply	
PoE Port	Port 1-4
PoE Management	Port PoE output on/off, Port PoE working status display
Power Supply Pin	1/2(+) 3/6(-)
Max Power Per Port	30W, IEEE 802.3 af/at
Total PWR / Input Voltage	65W/ (AC100-240V)
Power Consumption	Standby<5W, Full load<65W
Power Supply	Built-in power supply, AC 100~240V 50-60Hz, 1.0A
Physical Parameter	
Operation Temp/ Humidity	-20°C~+55°C, 5%~90% RH Non condensing
Storage Temp/ Humidity	-40°C~+80°C, 5%~95% RH Non condensing
Dimension (L*W*H)	195*131*45mm
Net /Gross Weight	0.8kg / 1.15kg
Installation	Desktop, wall mount
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30

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Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	1 year, lifelong maintenance.

Network Management Feature

Interface	Port status display, Port traffic statistics
	Port duplex/negotiation rate configuration
	EEE Energy-saving and green Ethernet function
	IEEE802.3x flow control configuration (Full-duplex)
VLAN	Port-based IEEE802.1Q VLAN configuration (4K)
Port Aggregation	Static aggregation
Loop Protection	Loop protection function, Prevent ring network failure function
Multicast	IGMP Snooping v1/v2, Max 256 multicast groups
Port Mirroring	Bidirectional data mirroring based on port
QoS	Diff-Serv QoS, Priority Mark/ Remark
	8*Output queues of each port, 802.1p/DSCP priority mapping
Security	Broadcast storm control, Port isolation, Port speed limit
DHCP	DHCP Snooping
Management	Mobile APP operation and maintenance management
	One-key recovery, Cable Diagnose, Web Management (https)
	ONV-NMS platform management (Local platform/ Cloud platform)
System	Web browser: Mozilla Firefox 2.5 or higher, Google Chrome V42 or higher, Cat5 and above Ethernet cable
	TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, Mac OS X) installed on each computer in the network Cat5 and above Ethernet cable

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DIMENSION

APPLICATION

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ORDERING INFORMATION

Model	Description	Built-in Power Supply
ONV-H5064PFM	L2 Easy managed PoE switch with 4*10/100/1000M RJ45 ports and 2*1000M uplink SC fiber ports (default single-mode single fiber A and B terminal). Port 1-4 can support IEEE 802.3 af/at PoE standard. Built-in power supply.	65W

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

PACKING LIST

	Content	Qty	Unit
Packing List	6-port Gigabit Easy managed PoE switch	1	SET
	AC Power Cable	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. support DDM function and hot plugging.	PC
	2632	SFP optical module, 1.25G single-mode dual fiber 1310nm, transmission distance: 20km, LC interface. support DDM function and hot plugging.	PC
	2612-T	SFP optical module, 1.25G single-mode single fiber TX1310nm/ RX1550nm, transmission distance: 20km, LC interface. support	PC

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8		DDM function and hot plugging.	
	2613-R	SFP optical module, 1.25G single-mode single fiber TX1550nm/ RX1310nm, transmission distance: 20km, LC interface. support 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. support 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. support 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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8

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