

## 18-Port Gigabit Uplink Managed PoE Switch

**HYU-NE-SW-M16PFM001**



### SPECIFICATION

Model	HYU-NE-SW-M16PFM001
Interface	16*10/100Base-TX PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*1000M uplink SFP fiber slot ports (Data)
POE Port	Port 1 - 16 can support IEEE802.3af PoE standard
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX/FX; IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3x
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	Port 1-16 10/100Base-T(X),Auto-sensing,Port 17-18: 10/100/1000Base-T, auto-sensing,full/half duplex MDI/MDI-X self-adaption.
Fiber Port Feature	Gigabit SFP fiber interface (Fiber module is not included, need to order separately, module options include single/multi mode, single/dual fiber, LC)
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	64Gbps (Non-blocking)
Forwarding Rate@64byte	5.36Mpps
MAC	16K
Buffer Memory	4M

Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
Optical Fiber Cable	Multi Mode: 850nm 0-550M;Single Mode: 1310nm 0-40KM,1550nm 0-120KM.
Power Supply Pin	Default: 1/2(+),3/6(-);Optional: 4/5(+),7/8(-)
Max / Average Power Per Port	30W/15.4W
Total PWR / Input Voltage	250W (AC100-240V)
Power Consumption	Standby:<15W; Full load:<240W
LED Indicator	Power indicator:PWR(green); data indicator:Link,Link/Act (yellow), PoE indicator: PoE (green); speed indicator: SPD (green)
Power Supply	Built in power supply, AC100~240V 50-60Hz 4.1A
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing
Dimension	440*225*44mm
Net /Gross Weight	<2.8kg /<3.5kg
Installation Method	desktop type ,wall mounted,19 inch 1U cabinet installation
Port lightning protection / protection level	Port lightning protection : 4KV 8/20us; Protection level: IP30
Certification	CCC;CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B;RoHS
Warranty	3 years, lifetime maintenance.
<b>Managed Series Feature</b>	
Interface	IEEE802.3X (Full duplex) Broadcast storm control based on port speed Speed limit of the message flow in the access port. The minimum particle size is 64Kbps.
PoE Management	Distribution for PoE output power of each port PoE working status Delay start of power supply Scheduling of PoE operation and time
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on protocol QinQ configuration
Port Aggregation	LACP Manual aggregation Support the largest 13 aggregation groups, each aggregation group supports 8 ports.

Spanning Tree	STP(IEEE802.1d) RSTP(IEEE802.1w) MSTP(IEEE802.1s)
Multicast	IGMP Snooping v1/v2/v3, Max 64 multicast groups Fast log out MLD Snooping v1/v2 Multicast VLAN
Mirroring	Bidirectional data mirroring based on port
QoS	Diff-Serv QoS 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP,WRR,SP+WRR) Priority Mark/Remark
ACL	L2-L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range and VLAN etc. Port-based Issuing ACL.
Security	Port isolation Broadcast storm control Port+MAC binding, IP+MAC+port binding
DHCP	DHCP Relay DHCP Client DHCP Snooping
Management and Maintenance	Web Management (HTTPS) SNMP V1/V2C/V3 One-key recovery NTP Login Record