

# 10-Port Full Gigabit Industrial POE Fiber Switch

## HYU-NE-SW-I8PF001



### Key Features

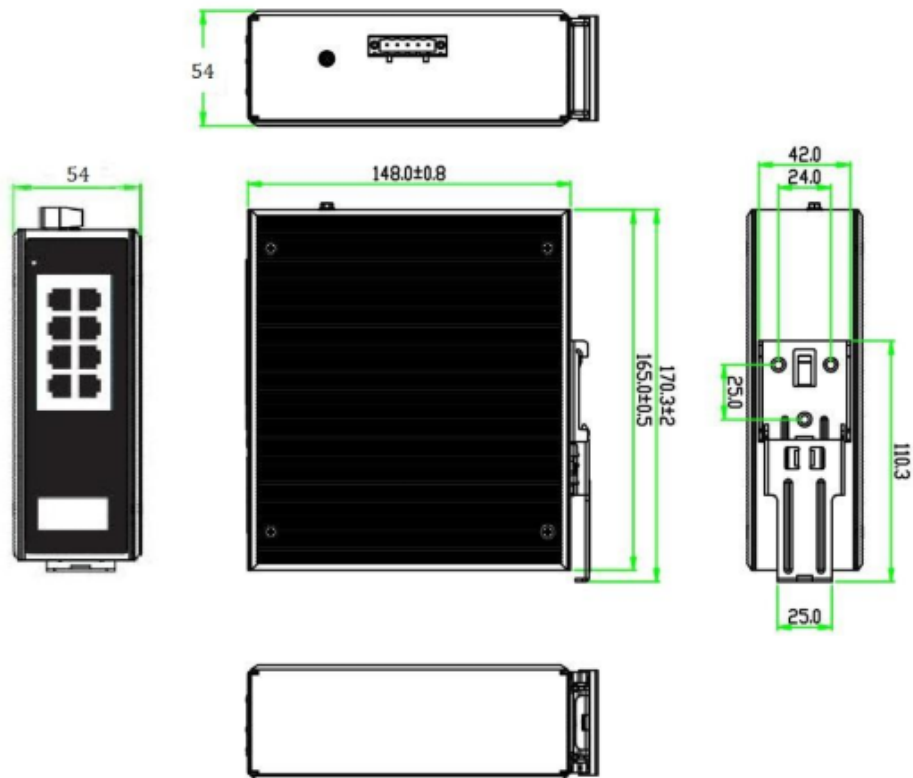
- Full gigabit access, SFP port uplink
  - Support non-blocking wire-speed forwarding.
  - Support full duplex based on IEEE802.3x and half duplex based on Backpressure
  - Supports Gigabit RJ45 port and gigabit SFP port combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Powerful port lightning protection
  - DC INPUT: 48V-57V.
  - Industrial dual power input.
  - Contact discharge 8KV, air discharge 15KV, port lightning protection common-mode 4KV, differential mode 2KV.
- Intelligent PoE power supply
  - IEEE802.3af/at PoE standard, without damaging non-PoE devices.
  - 8\*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
  - Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- Stable and reliable
  - CCC, CE, FCC, RoHS.
  - Low power consumption, No fan, aluminum shell.
  - The user-friendly panel can show the device status through the LED indicator of PWR, SYS, Link, L/A, PoE.

### Specification

Model	HYU-NE-SW-I8PF001
<b>Interface Characteristics</b>	
Fixed Port	8*10/100/1000Base-T PoE ports (Data/Power) 2*1000Base-X uplink SFP fiber slot ports (Data) 2 sets of V+, V- redundant DC power interface (5P Phoenix terminal)
Ethernet Port	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 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
SFP Slot Port	Gigabit SFP optical fiber interface, default no includes optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable / Distance	Multi-mode: 850nm 0 ~ 500M, Single-mode: 1310nm 0 ~ 40KM, 1550nm 0-120KM.
<b>Chip Parameter</b>	
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	20Gbps
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frames	9.2K
LED Indicator	Power: PWR (Green), Network: Link, link/Act (Yellow), PoE: PoE (green)
<b>PoE &amp; Power</b>	
PoE Port	Port 1-8
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Power Consumption	Standby:8W Full load af: 120W/ at:240W
Working Voltage	DC48-57V, 5 Pin industrial Phoenix terminal, support anti-reverse protection
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
<b>Physical Parameter</b>	
Operation TEMP / Humidity	-40 ~ +80°C; 5% ~ 90% RH Non condensing
Storage TEMP / Humidity	-40 ~ +85°C; 5% ~ 95% RH Non condensing
Dimension (L x W x H)	165*148*54mm
Net /Gross Weight	<1.0kg / <1.3kg
Installation	Desktop, 35mm DIN rail
<b>Certification</b>	
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B RoHS

Lightning Protection	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV</p> <p>IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p> <p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022): Class B</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
----------------------	--

### Dimension



### Application

