

HYUNDAI
ELECTRONICS

OPTICAL TRANSMISSION

HYU-NE-SW-U16PFA
HYU-NE-SW-U24PFA

USER MANUAL



Product Introduction

The Intelligent Ethernet Switch fills in that blank between Unmanaged Switch and Full Managed Switch. Intelligent

Ethernet Switch is designed for growing business network who need to control their network effectively and don't

want to cost more on full layer 2/3 complicated function. The Ethernet switch which is also built in PoE module and provides an affordable solution of power and data over Cat.5 cable. It is complied to IEEE802.3af/at, Two Gigabit TP/SFP combo port can complete the fast connection with server or Gigabit backplane.

24 or 16 10/100Mbps RJ45 port, 2 10/100/1000Mbps TP/SFP Combo port make growing business profits from outstanding performance and network extended function. The high performance, line-speed structure Ethernet Switch have Max 8.8Gbps switch capacity. All the 26/18 RJ45 Port support auto-negotiation and Auto-Uplink technology for ensuring the correct network connection.

Feature

- Complied to IEEE802.3af/at, 10Based-T, 100Based-T, 1000Based-T.
- Ethernet Port Rate: 24/16 self-adaptive 10/100Mbps and 2 self-adaptive 10/100/1000Mbps. Support IEEE802.3af PoE (15.4Watts) or IEEE802.3at(30Watts)
- PIN assignment: End-span(1/2+,3/6-), Mid-span (4/5+, 7/8-)
- Working mode: asynchronization, point to point, full/half duplex self-negotiation.
- Ethernet Port Transmission Range: 100meters
- Two SFP GBIC Slot used for Fiber connection.
- Cable: UTP 5E, Interface: RJ45
- 19" standard cabinet, industrial high reliability.

Statement

This document contains proprietary information that is protected by copyright. No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written permission of Our company.

The information and product specifications within this document are subject to change at any time, without notice and without obligation to notify any person of such change.

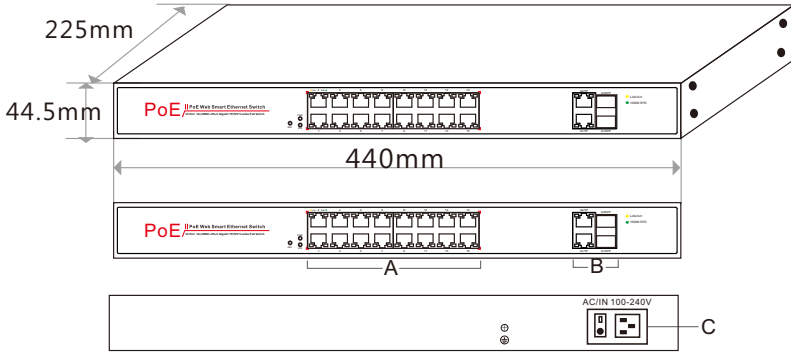
Packing List

Please kindly check the following items:

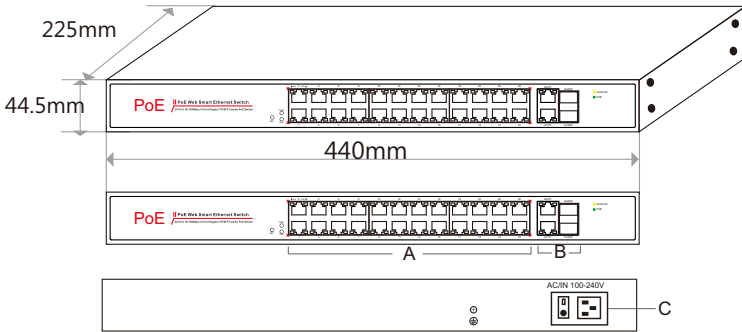
- ▶ **1 Power cable PoE switch**
- ▶ **2 Mounting Kits**
- ▶ **1 User Guide/Conformity**
- ▶ **Certificate/Warranty Card**

If any shortage or damage found, please contact us in time.

Technical Structure and Port Description



A. 16 * PoE Ports B. 2 Sets of Combo Port
C. 100-240VAC, 50/60Hz



A. 24 * PoE Ports B. 2 Sets of Combo Port
C. 100-240VAC, 50/60Hz

Indicator description

Indicator	Status	Description
Power Indicator: PWR	Yellow LED ON	Power ON, Normal Power Supply
	OFF	Power OFF or Power failure
System Indicator (SYSTEM)	Yellow LED ON	normal System Working Status
	Yellow LED Blink	In Reading Program, Restore Factory Settings
Link indicator: (Link/ACT)	Green LED ON	Connected port correctly
	Green LED Blink	Receiving or Sending data
	OFF	Connection failed or Abnormal Link
PoE indicator:POE	Green LED ON	Connected standard PD, Normal Power Supply
	Green LED Blink	Short Circuit or Over Load
	OFF	No Connection or Connected PD is Non-Standard PD

⚠ Note:

Remark: Internal Precision Component, for avoiding device damage please handles with case, avoiding violent vibration. Please contact us or local agency if damage or component loss by shipping. We will solve it ASAP.

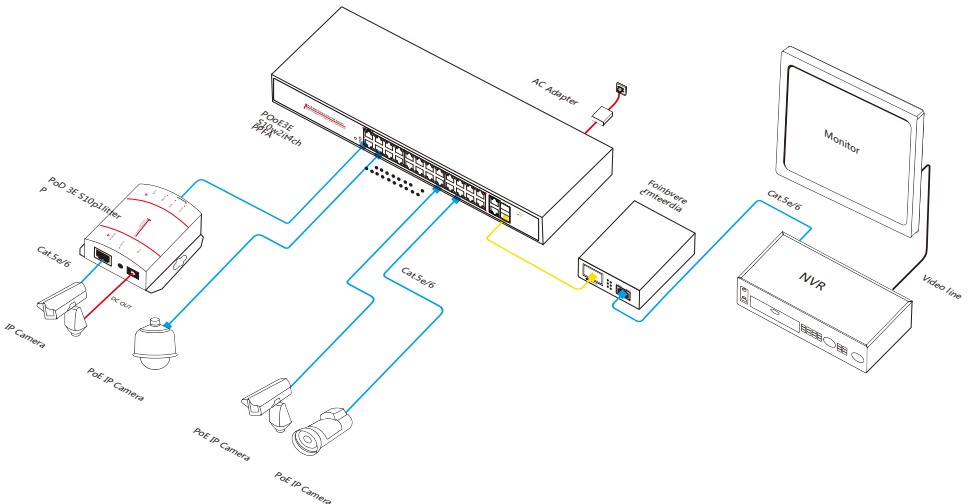
Indicator: Support power source, network connection, Fiber port/RJ45 port working status indication, It is convenient for engineer to parsing problem and monitoring working status.

Power port: Power port connect with PSU, internal power supply intelligent network PoE switch are without PSU, connecting with AC110-245V/50Hz directly.

Ethernet port: Self-Adaption RJ45 port, all port support Auto MDIMDIX, Plug and play. The working status can be estimated by indicator on front panel.

SFP Gigabit fiber port: Two combo fiber port, all port support wire-speed forwarding, Rich port configuration. Seamless connection various network is allowed.

Connection Diagram



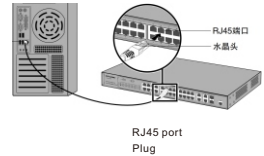
Installation guide

Connect to RJ45 port

1. Connect one end of RJ45 wire to switch, the other end to other equipment, as

shown as the figure on the right;

2. After power on, please check the LED indicator status. If it is on, it shows the link is OK, otherwise, the link is down. Then please check the link and make sure the other equipment is turned on, refer to the instruction on above page for details.

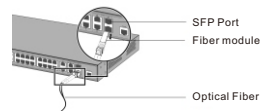


Connect to SFP port

PoE switch has 2 independent SFP ports. Please refer to the following steps for optical module installation. 1. Grasp SFP module and insert it in switch SFP slot smoothly till they keep close contact; 2. Insert one end of the fiber to the Rx and Tx accordingly, and the other end to other equipment, shown as in the right figure; 3. After power on, please check the LED indicator status. If it is on, it shows the link is OK,

3. After power on, please check the LED indicator status. If it is on, it shows the link is OK,

otherwise, the link is down. Then please check the link and make sure the other equipment is turned on.



Connect to power

Smart managed PoE switch adopts AC 100-240V, 50/60Hz.

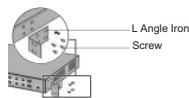
1. Please check the power supply specification matches with the required;

2. Connect switch power wire to AC power socket, shown as in the following figure.

Insert one end of the fiber to the Rx and Tx accordingly, and the other end to other equipment, shown as in the right figure; 3. 3. After power on, please check the LED indicator status. If it is on, it shows the link is OK,



Power Supply Connection Figure



Mounting Kits Installation Figure



Rack Installation Figure

After installation, please check:

If there is enough space for heat sink; if the power socket is suitable for switch specification; if the power, switch and rack are properly grounded and if the connection between switch and other network equipments are normal.

Detailed descriptions for the product model numbers

HYU-NE-SW-U16PFA001: 16-port 10/100Mbps +2-port 10/100/1000Mbps up-link (Combo Ethernet port & SFP slots) switch , No. 1-16 ports support POE , IEEE802.3af, POE port output : 15.4watts , total power : 250watts

HYU-NE-SW-U24PFA: 24-port 10/100Mbps +2-port 10/100/1000Mbps up-link(Combo Ethernet port & SFP slots) switch , No. 1-24 ports support POE , IEEE802.3af, POE port output : 15.4watts , total power : 400watts

For Inquiries, Please Contact:

Security Shop
Vladimira Popovica 6/6/A606
11070 Novi Beograd, Serbia
Tell +381 11 318 68 68
office@securityshop.rs