Technical Specification

HUM-PE820F-XL

8*PoE ports 10/100Mbps switch & 2* UPlink 10/100/1000Mbps Port

Product Description

- 8* PORT 10/100 Mbps POE PORTS

- 2* PORT 10/100/1000 Mbps UPLINK PORTS

- Build-in power adapter.(120 watt power budget)

- Support IEEE 802.3af/at;Standard power is 15.4W/port,

- Maximum power: 30W/port.

E：AI Extend 300meters transmission and auto speed change of single

port (limit 10Mbps), other ports maintain 100M within 100

meters;V：Turn on，1-8 Port support each port Isolation & VLAN;

D：Turn on，1-8 Port support AI-PoE Network self-healing mode

(PoEWatchdog function).

- PoE default: 1, 2(+)/3, 6(-).

- Build-in power adapter.

- Bandwidth:20Gbps; MAC:4K

- 3 years warranty

Full Description

This **HUM-PE820F-XL** device supports power and data transmission over Cat.5e/6 cables. All the 5Ethernet ports are capable of connecting with10/100Mps, (1-8) ports & 2* PORT 10/100/1000 Mbps UPLINK PORTS can support IEEE 802.3af/at power supply for every POE standard devices. Regards to using advanced auto-sensing algorithm the **HUM-PE820F-XL**gives power only to IEEE802.3affront-end devices, so don't worry about connecting PoE or non-PoE devices to this feeder. Additionally, this good gives up the power when PoE devices are disconnected. Intelligently, this manageable PoE Switch **HUM-PE820F-XL** can recognized automatically PoE demands of devices, speed, duplex, and cable type using Auto Uplink™. This multi-function device can be altered to long transmission distance mode, enable/disable VLAN.

HUM-PE820F-XL made by high quality of components were rigorous screened, have superior performance in stability, environmental adaptability. The product planned in a way of better resistance and ability to corrosion and electromagnetic interference. Power input also made a suitable and reliable types of power, to get more powerful suitability to environment.

Application

> ➢ IP cameras monitoring systems and transmitting systems
>
> ➢ Access points wireless systems and transmission data
>
> ➢ IP telephone, virtual PABX and intelligent unmanned systems
>
> ➢ Management and support Intelligent transportation supervisory （ITS）
>
> ➢ Monitoring TV medical and management
>
> ➢ School, campus, and… monitoring and remote control

Technical Specification

Product	8-ports long distance PoE Switch
Product Model	HUM-PE820F-XL
Transfer Mode	Store-And-Forward

Performance	
Forwarding Rate@64byte	4.17Mpps
Switching Capacity in Gigabits per Second (Gbps) (Bandwidth)	20Gbps
Maximum Network Delay in microseconds (us)	20 us
Forwarding Rate in Millions of Packets per Second (Mpps)	1.490Mpps
MAC Size	4K
MTBF	100000 H

Interface		
Ports	8 x 10/100M copper cable RJ45 PoE ports	
	2 x 10/100/1000M RJ45 Uplink Port	

Network Medium

 ➢ 10BASE-T: Cat3/4/5 UTP(≤100 meter)
 ➢ 100BASE-TX: Cat5/5e/6 UTP(≤100 meter)

Supported Network Protocols and Standards

 ➢ IEEE 802.3i 10BASET
 ➢ IEEE 802.3u 100BASETX
 ➢ IEEE 802.3x Flow Control
 ➢ IEEE 802.3af DTE Power via MDIIEEE802.3z
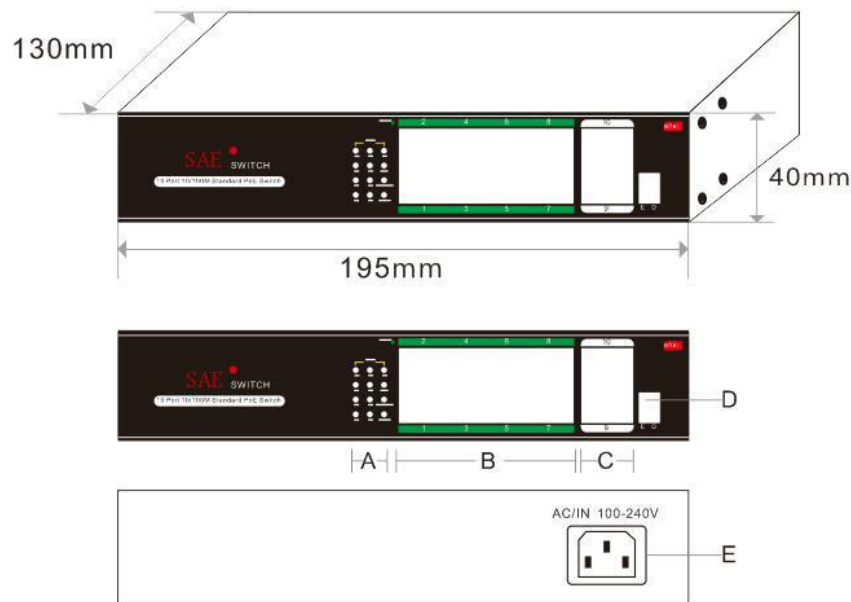 ➢ IEEE 802.3at

Status LEDs	Power Supply LED, Connecting and PoE Working Status LEDs
Power	
Output	Total: 120 W
Input	AC100-240V
DIP switch	E：AI Extend 300meters transmission and auto speed change of single port (limit 10Mbps), other ports maintain 100M within 100 meters;V：Turn on，1-8 Port support each port Isolation & VLAN; D：Turn on，1-8 Port support AI-PoE Network self-healing mode (PoEWatchdog function)

Certificate	
Radiation	FCC Class A, CE, RoHs
Safety	CE Mark, Commercial, CE/LVD EN60950
Dimensions	197*132*41mm
Working Environment	Operating Temperature: -20 °~ 55 °C; Storage Temperature: -40 ° ~ 75 °C; Humidity: 10% ~ 90%, non-condensing; Storage Humidity: 5% ~ 95%, non-condensing; Working Altitude: 3000 m (10,000 ft); Storage Altitude: 3,000 m (10,000 ft)

Product size Display & Application

130mm
40mm
195mm

A B C

D

AC/IN 100-240V

E

A. Working indicator   B. 8*10/100M PoE ports
C. 2*10/100/1000M UP LINK   D. Functional switch
D. Power input port AC100-240,50/60Hz