



**Smart Architecture of Espadana**

Designing, Production, Customization and Consultant Service  
**in Network and Fiber Optic System**



## Technical Specification

**HUM-PE16E-2GF-3**

**16 ports PoE 10/100Mbps switch & 2 PORT 10/100/1000 Mbps UPLINK  
RJ45 ports & 1\* SFP (100/1000Mbps)**







## Product Description

- 16 PORT 10/100 Mbps POE PORTS
- 2 PORT 10/100/1000 Mbps & 1\* SFP (100/1000Mbps) UPLINK PORTS
- Build-in power adapter.(300 watt power budget)
- Support IEEE 802.3af/at;Standard power is 15.4W/port, Maximum power: 30W/port.
- 3 Micro 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, 1-16 Port support each port Isolation & VLAN;

D : Turn on, 1-16 Port support AI-PoE Network self-healing mode (PoE Watchdog function), Automatic solve the camera problem & reduce after-sale.

T: AI Testing, when it's failed to UP Position, auto detect the POE Status of each port; when it's failed to DOWN Position, auto detect the Network Status of each ports, helping users figure out the working situation of PDs.

- PoE default: 1, 2(+)/3, 6(-).
- Build-in power adapter.
- Bandwidth:10Gbps; MAC:8K
- 3 years warranty





### Full Description

This smart and economic PoE switch (**HUM-PE16E-2GF-3**) make both Data and Power transmission possible over a single cable. All the Ethernet ports are capable of connecting with 10/100Mbps and the uplink port of this switch is two 1000 RJ45 Ports & 1\* SFP (100/1000Mbps). PoE is available on all PoE signed ports using IEEE 802.3af/at standard. Auto-sensing technology, used in this device let the users to connect both PoE and non-PoE devices to **HUM-PE16E-2GF-3** with no consideration or hesitation. Additionally, this manageable PoE Switch can recognized automatically PoE demands of devices and automatically disconnect the power when PoE device is disconnected or turned off. It is also capable of recognizing speed, duplex, and cable type using Auto Uplink™.

The high quality of components let the **HUM-PE16E-2GF-3**, have superior performance in stability and environmental adaptability. The product designed to be resistant and to corrosion and electromagnetic interference. Power adaptor, installed within the product provide a reliable and low noise source of power for this device.





## 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	16-ports PoE Switch	
Product Model	HUM-PE16E-2GF-3	
Transfer Mode	Store-And-Forward	
Performance		
Capacity in Millions of Packets per Second (64-byte packets) (Buffer Memory)		4M
Switching Capacity in Gigabits per Second (Gbps) (Bandwidth)		10Gbps
Forwarding Rate in Millions of Packets per Second (Mpps)		26.78Mbps
MAC Size		8k
Interface		
Ports	16×PoE 10/100Mbps ports	
	2×Up-link Gigabit RJ45 ports 1× SFP (100/1000Mbps)	





<b>Network Medium</b>	
<ul style="list-style-type: none"> <li>➤ 10BASE-T: Cat3/4/5 UTP (≤100 meter)</li> <li>➤ 100BASE-TX: Cat5/5e/6 UTP(≤100 meter)</li> </ul>	
<b>3 Micro switch</b>	
<p>E : AI Extend 300meters transmission and auto speed change of single port (limit 10Mbps),</p> <p>other ports maintain 100M within 100 meters;</p> <p>V : Turn on, 1-16 Port support each port Isolation &amp; VLAN;</p> <p>D : Turn on, 1-16 Port support AI-PoE Network self-healing mode (PoE Watchdog function), Automatic solve the camera problem &amp; reduce after-sale.</p> <p>T: AI Testing, when it's dailed to UP Position, auto detect the POE Status of each port; when it's dailed to DOWN Position, auto detect the Network Status of each ports, helping users figure out the working situation of PDs.</p>	
<b>Supported Network Protocols and Standards</b>	
<ul style="list-style-type: none"> <li>➤ IEEE 802.3i 10BASET</li> <li>➤ IEEE 802.3u 100BASETX</li> <li>➤ IEEE 802.3x</li> <li>➤ IEEE 802.3af/at PoE protocol on 1-16 Ports</li> <li>➤ IEEE802.3ab 1000Base-T</li> </ul>	
<b>Status LEDs</b>	Power Supply LED, Connecting and PoE Working Status LEDs
<b>Power</b>	
Input	AC100-240V
Output	Total: 300W Max/Port: 30 W Average/Port: 15.4 W
Consumption	20 W on standby/ 300W on Full load
<b>Certificate</b>	
<b>Radiation</b>	FCC Class A, CE, RoHs
<b>Safety</b>	CE Mark, Commercial, CE/LVD EN60950
<b>Dimensions</b>	270×181×44.5mm 1.7Kg<W<2.2Kg





## Smart Architecture of Espadana

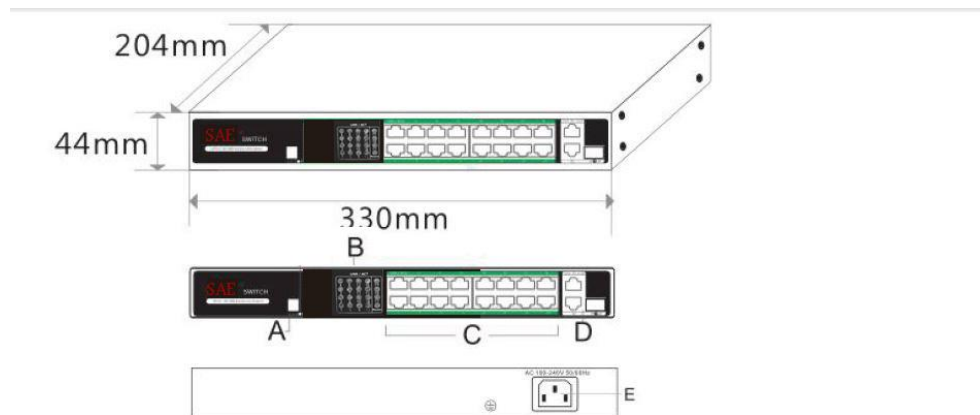
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### 16 ports PoE 10/100Mbps switch & 2 Up-link Gigabit

<b>Working Environment</b>	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)
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## Product Application Display

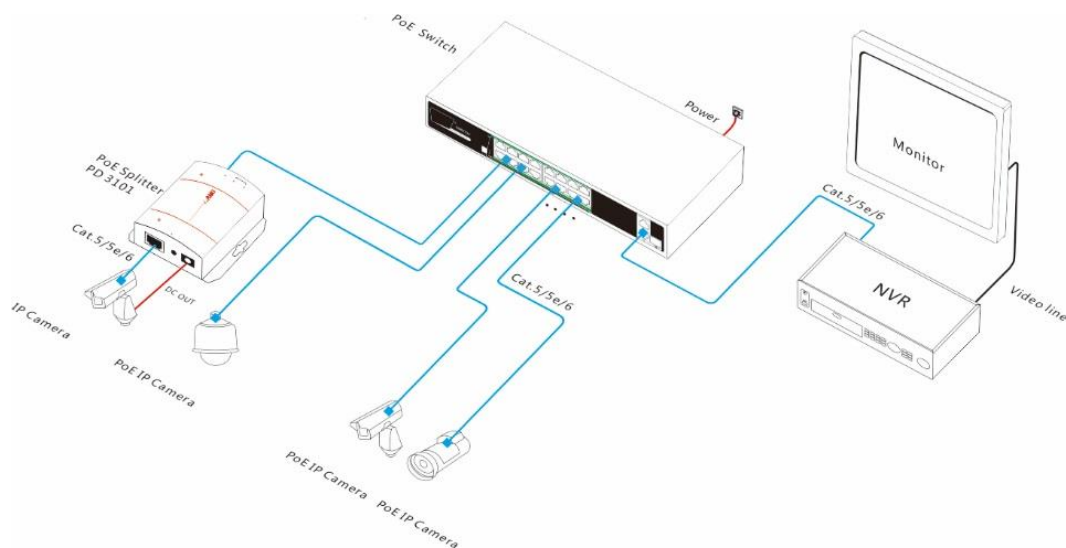


A. Multi-functional switch    B. Working LED indicator

C.16\*PoE port

D.2\*10/100/1000M RJ45 ports and 1\*1000M SFP combo port

E.Power input port AC100-240V,50/60Hz



**HUM-PE16E-2GF-3**