

## 8-port 10/100M 802.3at PoE Switch



### IP08H 8-port 10/100M 802.3at PoE Switch

#### Centralized Power Distribution for Ethernet Networking

IP08H is a 8-Port 10/100Mbps Switch with 8-Port 802.3at Power over Ethernet and a total of 65 or 90 or 120 watt of PoE budget, which is an ideal solution to fulfill the demand of sufficient PoE power for network applications with Fast Ethernet speed transmission. The eight 802.3at PoE ports provide PoE power injector function which is able to drive 8 IEEE 802.3at compliant powered devices. The IP08H also provides a simple, cost-effective and non-blocking wire-speed performance.

#### Ideal Solution for Securing IP Surveillance Infrastructure

Particularly designed for the growing popular IP Surveillance applications, the IP08H PoE Switch is positioned as a Surveillance Switch for quick and easy PoE IP camera deployment with power feeding. The IP08H provides 802.3at PoE functions along with 8 10/100Base-TX ports featuring 30-watt 802.3at PoE in RJ-45 copper interfaces, supporting transmission of surveillance images and videos.

#### Perfectly Integrated Solution for PoE IP Camera and NVR System

IP08H provides eight 802.3at PoE ports for catering to small scale of IP Surveillance networks at a lower total cost. The IP08H comes with high performance switch architecture and 65-watt PoE power budget. The recorded video files from 8 PoE IP Cameras can be powered by the IP08H and saved in the 8-channel NVR system or surveillance software to perform comprehensive security monitoring.

#### Stable and High Performance Switch Architecture

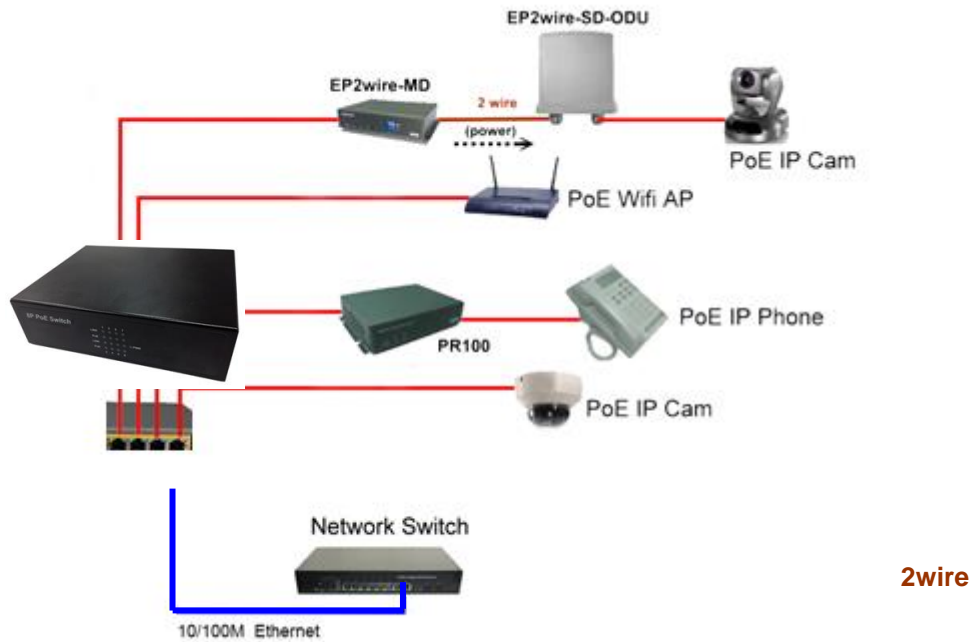
The IP08H has a 1K MAC address table, featuring high performance switch architecture capable of providing the non-blocking 1.6Gbps switch fabric and wire-speed throughput as high as 6.547Mpps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the 802.3x Full-Duplex flow control function of the IP08H enables PD devices and servers to be directly connected to the switch for wire-speed packet transfer performance without the risk of packet loss.

The IP08H RJ-45 copper interfaces support 10/100Mbps Auto-Negotiation at port 1 to port 8 through RJ-45 Category 5e cables. It also supports standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

#### Easy Cable Connection

With data and power over Ethernet from one unit, the IP08H reduces cabling requirements and eliminates the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. A wire that carries both data and power can lower the installation costs, simplify the installation effort and eliminate the need for electricians or extension cords. Providing 8 PoE interfaces, the IP08H is ideal for small businesses and workgroups requiring deploying the PoE for the wireless access points, IP-based surveillance camera or IP phones in any places easily, efficiently and cost-effectively.

# Application



## Specifications

Hardware Specification	
Network Connector	8-Port RJ-45 for 10/100Base-TX (Port 1 to Port 8 )
PoE Inject Port	8-Port with 802.3at PoE injector function
LED Display	System: Power (Green) Per PoE port: PoE in Use (Green) LAN (Green) PWR (Green)
Switch Architecture	Store and Forward switch architecture
MAC Address Table	1K MAC address table with Auto learning function
Switch Fabric	1.6Gbps
Switch Throughput	6.547Mpps@56Bytes
Flow Control	Back pressure for Half-Duplex. IEEE 802.3x pause frame for full-duplex
Power Requirements	AC 100~240V, 50/60Hz, 1.16A (65w) or 1.6A (90w) or 2.14A (120w)
Power Consumption	65 watt or 90 watt or 120 watt
Dimensions (W x D x H)	160 x 123 x 44 mm
Weight	870 grams (device only)
Power over Ethernet	
PoE Standard	IEEE 802.3at Power over Ethernet / PSE
PoE Power Supply Type	End-Span (Mode A PSE, pin 1,2, 3,6 )
PoE Power Output	Per Port 56V DC, 530mA. 30watts
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	120w
Max. number of PoE PSE	8
Standard Conformance	
EMI Safety	FCC Class A, CE
Standard Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Flow Control IEEE 802.3at/af Power over Ethernet
Environment	
Operating Environment	0 ~ 40 degrees C
Storage Environment	-10 ~ 70 degrees C
Operating Humidity	5 ~ 95%, Relative Humidity, non-condensing
Storage Humidity	5 ~ 95%, Relative Humidity, non-condensing