# 16 Port Fast Ethernet PoE Switch



## IP16H 16 Port Fast Ethernet PoE Switch

The IP16H features a 16-ports 10/100Mbps Fast Ethernet Switch with IEEE 802.3at/af Power over Ethernet interfaces. It supports MDI / MDI-X function on all 10/100Mbps ports and provides Power injection on each LAN port which complies to IEEE 802.3af (15W) and 802.3at (30W) PoE powered devices.

With N-way auto-negotiation, each port can automatically sense if the connected network devices are running at 10Mbps or 100Mbps and Half/Full-Duplex mode, and adjust accordingly.  All the ports support wire-speed in full-duplex mode by using non-blocking 3.2Gbps switching backplane. With the store and forward features, it maximizes network performance and allows running a smooth network.

The 19" rack-mounted IP16H also support 8+8 optional PoE switch with 8 x PoE ports plus 8 x non-PoE ports.  This offers a more flexible and economic PoE option and greatly simplified the tasks of upgrading network equipment.  It provides a simple, cost-effective, and reliable network connection for data and power over Ethernet.

## Features:
- 16-Port 10/100Mbps Fast Ethernet Switch with 16-port Power over Ethernet (PoE) function
- Complies with IEEE 802.3af / 802.3at PoE standards.
- Auto-MDI / MDI-X detection on each RJ-45 port
- Support 10/100Mbps N-way auto-negotiation
- 4K MAC address table, automatic source address learning and aging
- 19-inch rack mount size with holder
- Internal full-range power supply suitable for worldwide use
- Complies with CE, FCC class A

**Package Contents**
**Quick Installation Guide**


# Specifications:

| Model | IP16H |
|---|---|
| Hardware Specification | |
| Fast Ethernet Ports | 16 x 10/100Base-T RJ-45 Auto-MDI / MDI-X ports |
| Power over Ethernet ports | 16-port PoE injector function |
| Switch Processing Scheme | Store-and-Forward |
| Throughput (packet per second) | 2.38Mpps |
| Switch fabric | 3.2Gbps |
| Address Table | 4K entries |
| Flow Control | Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex |
| Dimension (W x D x H) | 480 x 200 x 44 mm (1U height) |
| Weight | 2.7 kgs |
| Power Requirement | 100-240V AC, 50-60 Hz, 3A |
| Temperature | Operating: 0~40 Degree C, Storage: -40~70 Degree C |
| Humidity | Operating: 5~90% (Non-condensing)<br>Storage: 5~90% (Non-condensing) |
| Power over Ethernet | |
| PoE Standard | IEEE 802.3af / 802.3at Power Sourcing Equipment (PSE) |
| PoE Power Supply Type | End-Span |
| PoE Power Output | Per Port 56V DC, Max. 30 watts (802.3at) |
| Power Pin Assignment | 1/2(+), 3/6(-) |
| Power Budget | Max. 250 watts |
| Standards Conformance | |
| Regulation Compliance | FCC Part 15 Class A, CE |
| Standards Compliance | IEEE 802.3 : Ethernet<br>IEEE 802.3u : Fast Ethernet<br>IEEE 802.3x : Full-duplex Flow control<br>IEEE 802.3af / 802.3at : Power over Ethernet |

RoHS CE FC ⊘

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