

UPE5416-8E

16-Port 10/100M Switch with 8-Port PoE

Delivering data and power over existing network cables



Features

- IEEE802.3at/af Power over Ethernet (PoE) standard
- Complies with IEEE802.3 and IEEE802.3u standards
- 8 x RJ-45 10/100M PoE ports with maximum 30W per port, total power budget is 120W (15.4W/port)
- 16 x RJ-45 10/100Mbps auto speed switch ports
- Supports PoE Power Device (PD) classification identify
- Provides over current and circuit shorting protection
- Supports NWay protocol for speed (10/100Mbps) and duplex mode (Half/Full) detection
- All ports with auto MDI-X function for switch-to-station & switch-to-switch connection with non crossover cable
- Supports full and half duplex operation on all ports
- Operates at max. packet filtering and forwarding rate
- Store and forward transmission method
- Easy-to-read LEDs provide instant operating feedback
- Supports 4K MAC address entries in whole system
- 1.25 Mbit buffer memory
- 19" rack mount size with holder
- Convenient Internal switching power 100 ~ 240V AC

Package Contents

- One 16-port 10/100M Switch with 8-port PoE
- One User's Manual CD-ROM
- One Internal Power Cord
- One Set of 19" Mounting Bracket and Screws

OVERVIEW

UPE5416-8E is a 16-port 10/100Mbps Fast Ethernet Switch with built-in 8 PoE high power ports. It supports IEEE802.3at/af Power over Ethernet (PoE) standard and supplies 120 Watts in total for full 15.4W all the PoE-On ports, and up to 30 watts per port to power any 802.3at compliant power devices such as IP-based products like outdoor PoE Wireless Access Point, PoE IP phone, PoE Network security camera, and more.

The advantage of PoE function is to provide power and data over existing network cables. It eliminates the need for electricians or extension cords while installing new expanding equipments. Therefore, UPE5416-8E can save space, reduce cables and eliminate the requirement for the dedicated electrical outlets to lower the installation cost. This PoE technology is suitable for small business, school campus, bookstore, coffee shop with internet hot spot, or enterprise network environments.

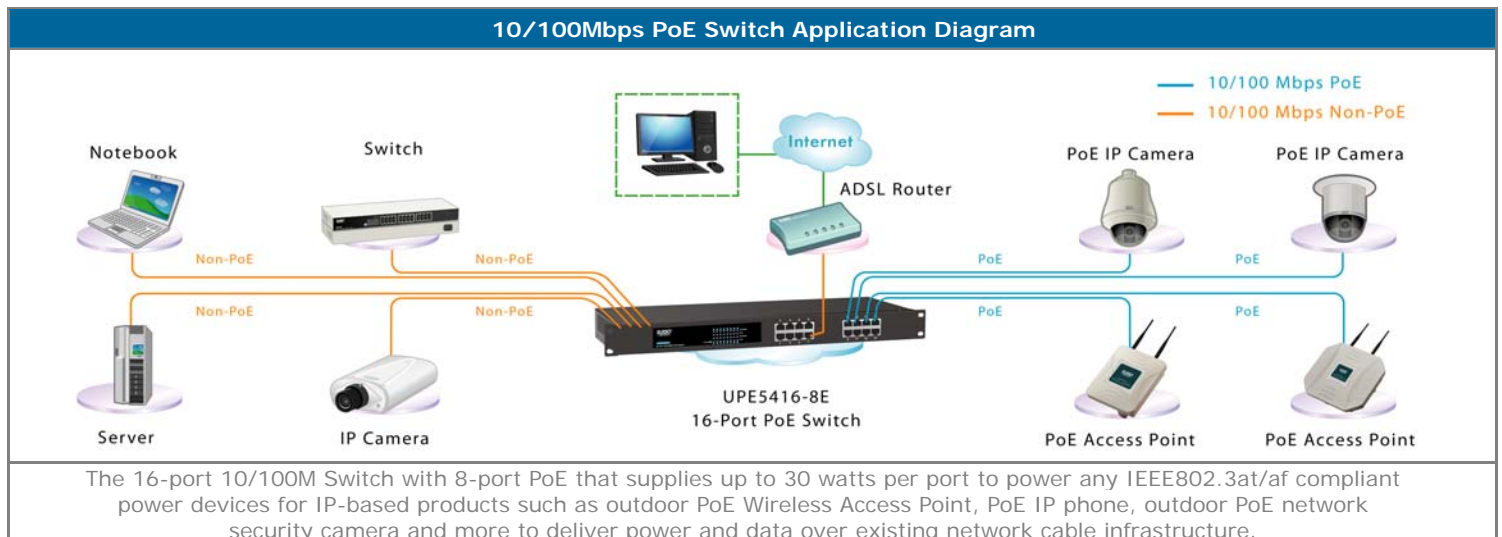
UPE5416-8E has outstanding performance and high efficiency. It fulfills the needs of connecting the partners of network with best network speed and duplex mode automatically. Duplex mode also doubles the bandwidth by enabling two-ways communication. All ports support auto MDI/MDI-X, connecting switch to switch is more convenient with non-crossover cable.

The UPE5416-8E is plug-n-play without software to configure and also supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection. It is also fully rack-mountable unit that is easy to integrate into your network infrastructure.

SPECIFICATIONS

System Specifications	
Ethernet Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x Full duplex operation and flow control IEEE802.3at/af Power over Ethernet
Interface	16 x 10/100Mbps RJ-45 Switch ports (port 1~16) 8 x 10/100Mbps RJ-45 PoE ports (port 1~8)
PoE Spec.	PoE Power Budget : 120W (15.4W/Port) Up to 30W for each PoE Port PD Classification Identify PoE Over Current Protection PoE Circuit Sorting Protection
Power Pin Assignment	1/2 (+), 3/6 (-)
Throughput	2.38Mpps (Packet per second)
Switch Fabric	3.2Gbps
PoE Power Output	Per Port 56V DC, Max. 30 Watts (802.3at)
Uplink	Auto MDI/MDI-X (Auto Crossover)
Network Speed	10/100Mbps Full/Half duplex mode auto detection
Diagnostic LED	Power, PoE Act/Status, PoE Link/Act
MAC Address Entry	4K MAC entries
Buffer Memory	1.25 Mbit for the whole system
Filtering / Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Installation	19" Rack Mountable (Included 19" Bracket)
Operating Temperature	0° ~ 50°C (32° ~ 104°F)
Operation Humidity	5% ~ 90% (non-condensing)
Dimension	480 (L) x 200 (W) x 44 (H) mm
Weight	2.7kg (Net)
Power Requirement	100~240V AC, 50-60Hz, 3A, Internal Universal Switching Power Supply
Emission Certification	CE, FCC Part 15 class A

APPLICATION DIAGRAM



ORDERING INFORMATIONS

Model	Description
UPE5416-8E	16-port 10/100M Fast Ethernet Switch with 8 x PoE Ports, total 120W

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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