



4-Port 10/100M PoE + 1FE Switches

UPE5405-4E

User Manual

Ver 1.0



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1. Introductions

UPE5405-4E is a 5-port 10M/100M Fast Ethernet Switch with one uplink port + 4 ports of Power over Ethernet capability. Per PoE port is power supply up to 15.4W. The total PoE power budget is 35W or 65W(optional). It is an ideal solution where office and home users utilize a combination of PoE and non-PoE enabled devices. UPE5405-4E can be inserted into a 8-Bay 19" chassis UPR5408-R with up to 32-port PoE Switch.

PoE Functionality for the LAN

Four ports on the UPE5405-4E are PoE enabled making it an ideal solution for most office users that have PoE enabled devices located around the office. These products can include a mixture of PoE IP Phones, PoE wifi APs and PoE IP Cam. UPE5405-4E is the perfect answer for offices that are upgrading their office equipment and LAN infrastructure to include PoE capability. The switch automatically detects IEEE 802.3af compliant device connected and provides power and data over a single cable to these devices.

Stable and Reliable Network Environment

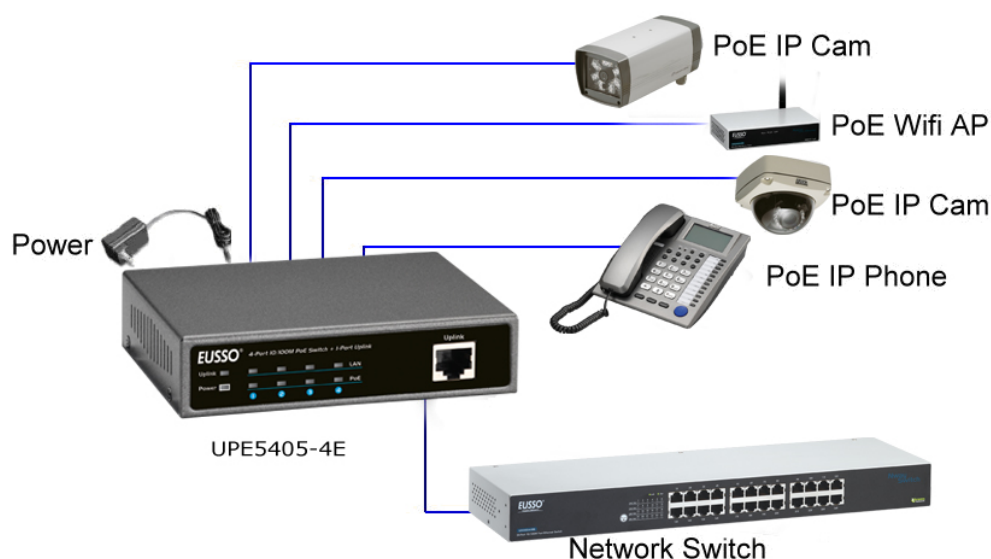
The UPE5405-4E enables users to deploy a stable and reliable high-speed LAN environment, with store-and-forward switching architecture, packet error filtering and non-blocking packet forwarding. The 802.3x and backpressure flow control mechanisms work respectively for full and half duplex modes. This device supports N-way auto-negotiation protocol that automatically detects networking speed and duplex modes.

Easy to Use

For instant error detection, the switch is equipped with a full range of LEDs to help monitor and troubleshoot problems on the network.

2. Application Notes

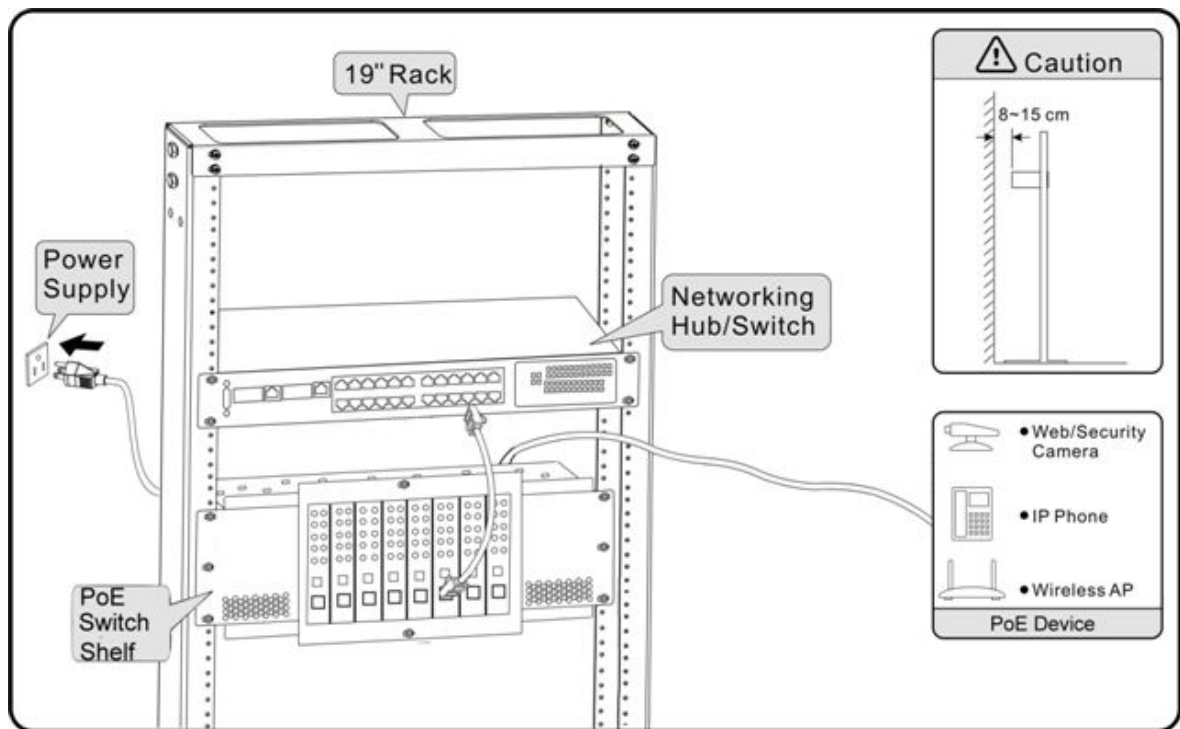
1) UPE5405-4E Connections with PoE PD Devices



2) UPE5405-4E Connections with 19" high Power Chassis UPR5408-R for up to 32 port PoE Switches



8-bay 19" chassis UPR5408-R



19" chassis UPR5408-R

3. Packing Contents

Inside the package you should find:

- (1) One UPE5405-4E Switch
- (2) One AC to DC Power Adaptor (DC48V/1.35A)
- (3) One User Manual CD

Please check if the packing is damaged or any component is missing. If so, please contact your distributor.

4. Technical Specifications

Standards	IEEE 802.3: 10 BASE-T IEEE 802.3u: 100 BASE-TX IEEE 802.3af: Power Over Ethernet
Features	MAC Address: 1K Buffer Memory: 512K bits Transmission Method: Store and Forward
Filtering/Forwarding Rates	100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP
Uplink Port	1
PoE Spec	Supports up to 15.4 W for each PoE port PoE power budget : 30W PD classification identify PoE over current protection PoE circuit sorting protection PoE power on RJ-45 pin 3,6 for power + / pin 1,2 for power
LED Indicators	Power, Uplink , LAN1~4 port , PoE 1~4 port
Power Adaptor	100~240VAC/50~60Hz External Power Adapter
Dimensions	120 × 90 × 28 mm (L x W x H)
Weight	1.2 kg
Operating Temperature	0 to 50°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC , CE

5. LED Indicators

On the front panel of UPE5405-4E, there are 10 LED indicators as the following;

POWER: “Green On” indicates power is on and normal.

UPLINK: “Green On” indicates Ethernet Uplink port is in connection.
“Fast Flashing” indicates Ethernet Uplink data activities at 100M.
“Slow Flashing” indicates Ethernet Uplink data activities at 10M.

LINK: “Green On” indicates each Ethernet LAN port is in connection.
“Fast Flashing” indicates each Ethernet LAN data activities at 100M.
“Slow Flashing” indicates each Ethernet LAN data activities at 10M.

PoE: “Green On” indicates Power over Ethernet function is enabled.
“OFF” indicates the PoE is disabled, and it becomes a regular LAN port.