UPE5424-2G16

24-Port 10/100M Switch with 16-port PoE + 2-port Gigabit Switch

24 10/100M **16** PoE **2** Gigabit **250W** Total **30W** Max. **15.4W** Per Port **Full** Duplex

PoE 802.3af/at **10/100** Mbps **1000** Mbps **PD** Detection **Auto** MDI-X **19"** Rackmount **Auto** Sensing

Features

- IEEE802.3at/af Power over Ethernet (PoE) standard
- Complies with IEEE802.3/3u/3ab/3z/3x standards
- 24 x 10/100M switch with 16 x PoE ports , max. 30W per port, total power budget is 250W (15.4W/port)
- 2 X Gigabit UTP/SFP slots (copper/Fiber) combo Ports
- Supports PoE Power Device (PD) classification identify
- Provides over current and circuit shorting protection
- 8.8Gbps switch fabric, non-blocking switch architecture
- Supports NWay protocol for speed (10/100/1000Mbps) 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
- Operates at max. packet filtering and forwarding rate
- Supports Store and forward transmission method
- Easy-to-read LEDs provide instant operating feedback
- Supports 4K MAC address entries in whole system
- 2.5 Mbit buffer memory
- 19" rack mount size with holder

Package Contents

- One 24-port 10/100M Switch with 16-port PoE + 2-Port Gigabit Combo
- One User's Manual CD-ROM
- One Internal Power Cord
- One Set of 19" Mounting Bracket and Screws

OVERVIEW

UPE5424-2G16 is a 24-port 10/100Mbps Switch with 16-port 10/100M PoE plus additional 2 of shared Gigabit Mini-GBIC (SFP) slots or UTP Copper ports allows future expanding to alternate transmission media like optical fiber for the long-distance communication to the server, storage or other switching devices that providing superior performance with exceptional value.

It supports IEEE802.3at/af Power over Ethernet (PoE) standard and supplies 250 Watts in total for 15.4W per port on all the PoE-On ports, and up to 30 watts per port to power any 802.3at/af compliant power devices such as IP-based products like outdoor PoE Wireless Access Point, PoE IP phone, outdoor 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, UPE5424-2G16 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.
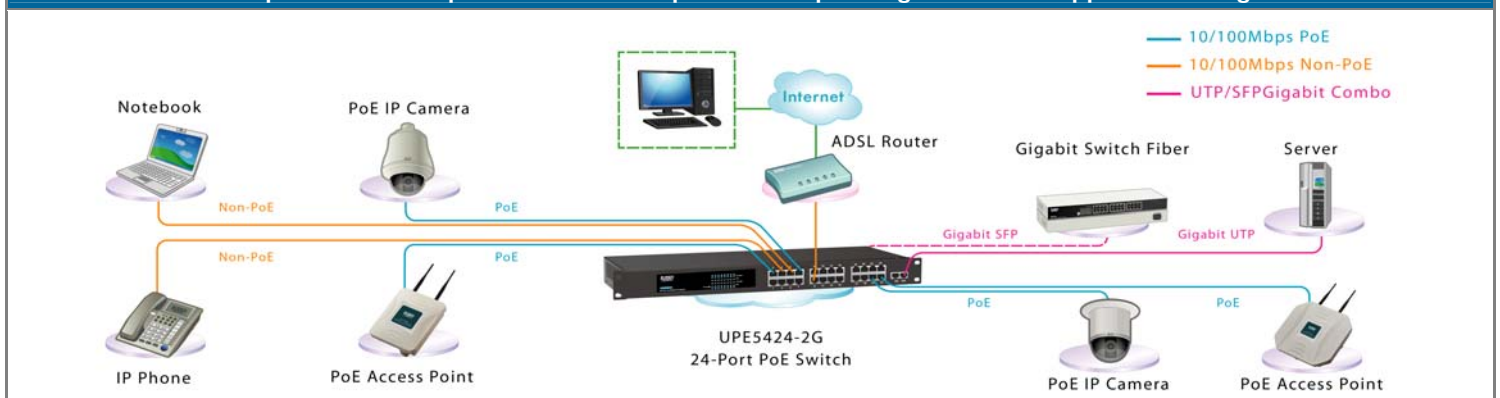
The UPE5424-2G16 is plug-n-play without software to configure and also supports power protections as OVP (Over Voltage Protection), OCP (Over Current Protection), OTP (Over Temperature Protection), robust short-circuit protection and surge protection. It is fully rack-mountable unit that is easy to integrate into your network infrastructure.

SPECIFICATIONS

System Specifications	
Ethernet Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-SX/LX IEEE802.3x Full duplex operation and flow control IEEE802.3at/af Power over Ethernet
Interface	24 x 10/100Mbps RJ-45 Switch ports (port 1~24) 16 x 10/100Mbps RJ-45 PoE ports (port 1~16) 2 x 10/100/1000Mbps combo Gigabit UTP Port / Mini-GBIC Slots
PoE Spec.	PoE Power Budget : 250W (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 (-)
Switch Fabric	8.8Gbps
PoE Power Output	Per Port 48V DC, Max. 15.4 Watts (802.3af), Max. 30 Watts (802.3at)
Uplink	Auto MDI/MDI-X (Auto Crossover)
Network Speed	10/100Mbps or 10/100/1000Mbps Full/Half duplex mode auto detection
Diagnostic LED	Power, PoE Link, PoE, GE Link, GE
MAC Address Entry	4K MAC entries
Buffer Memory	2.5Mbit for the whole system
Filtering / Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps 1000Mbps : 1,488,100pps
Installation	19" Rack Mountable (Included 19" Bracket)
Operating Temperature	0° ~ 50°C (32° ~ 104°F)
Operation Humidity	10% ~ 90% (non-condensing)
Dimension	440 (L) x 200 (W) x 44 (H) mm, 1U Height
Weight	3.8kg (Net)
Power Requirement	100~240V AC, 50-60Hz, Internal Universal Switching Power Supply
Emission Certification	CE, FCC Part 15 class A

APPLICATION DIAGRAM

24-port 10/100Mbps Switch with 16-port with 2-port Gigabit Combo Application Diagram

ORDERING INFORMATIONS

Model	Description
UPE5424-2G16	24-port 10/100M Switch with 16-port PoE + 2-port Gigabit Combo, total 250W
UPE5424-2G	24-port 10/100M PoE + 2-port Gigabit Combo Switch, total 370W

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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