UPCOM

Power over Ethernet ES1026-24P-2C

◆ **PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports,Managed**

➢ Features

- 24*10/100BaseT RJ45 Ports (Support PoE)
- 2*Sets of 10/100/1000M Gigabit Combo Ports
- Total power budget is 400W, max PoE power output is 30W.
- Support IP-MAC-Port-VID Binding ARP/IP/DoS Defend, 802.1X Authentication
- Support IEEE802.1Q VLAN, OoS, ACL, Spanning Tree and Multicast
- Support Port Security, Port Monitoring, Port Isolation
- Support web management, SNMP

➢ Introduction

This ES1026-24P-2C switch provides a network point for power supply and data transmission. All the 24 Ethernet ports can be connected with 10/100Mps quickly, and the uplink port is 1.25Gbps fiber interface, among which 1-24 ports can provide standard IEEE802.3af/at power supply. Due the advanced self-sensing algorithm supply power for IEEE802.3af/at terminal unit, there is no need to worry about damaging proprietary PoE or non-PoE standard equipment. In addition, it will stop power supply when PoE devices are not connected. In short, The ES1026-24P-2C features simple and reliable design, automatic identification PoE requirements, duplex and high-speed.

This cost-effective ES1026-24P-2C provide network layout need to simplify wireless access point (AP) and IP-based surveillance cameras network cameras in order to install in commercial network and home network. The devices far away from power socket are very suitable for hanging on the wall or ceiling. PoE eliminates the need for connecting these devices to power socket. So it make more flexible for those difficult to connect with AC power socket, and cut down the installation cost. It is ideal choice for those want to deploy a small commercial network and home network that use wireless access point (AP) and IP-based surveillance cameras.

➢ **Specification**

Description	PoE Switch with 24 Ethernet PoE Ports and 2 Gigabit Combo Ports
Connector	24x 10/100M copper cable RJ45 ports(all ports support MDI/MDIX) 2x gigabit combo ports
Transfer Mode	Store-And-Forward
Network Medium	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP (≤100 meter) Single mode(9/125um) optical transmission, transmission distance: 25km(double optical default, single optical alternative)
Performance	Bandwidth: 64Gbps (non-blocking) Network Latency (100 to 100M bps): maximum delay less than 20 microseconds Packet Buffer Memory: 4M Forwarding Rate: 6.55Mpps Address Database Size: 16K MTBF: 190,000 hours (about 21 years)
Standards	IEEE 802.3i 10BASET IEEE 802.3u 100BASETX IEEE 802.3x Flow Control IEEE802.3ab IEEE802.3z IEEE 802.3af IEEE 802.3at
LEDs Status	System: power supply Every Port: connecting, PoE working status
Power	PoE port power:15.4 W(1~24 port)/af, 25.5W/at Power input: AC100-240V 50/60Hz;
Dimensions	440x225x44mm
Weight	5Kg
Environment	Operating Temperature: -20 ° ~ 55 ° C Storage Temperature: -40 ° ~ 75 ° C Operating Humidity: 10% ~ 95%, non-condensing Working Altitude: 3000 m (10,000 ft) Storage Altitude: 3,000 m (10,000 ft)
Radiation	CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55022 (CISPR 22), Class B,RoHS
Safety	CE Mark ,commercial CE/LVD EN60950
Warranty	1 year warranty(2 yeas warranty for power adapter)
Layer 2 Switching	
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d

	Rapid Spanning Tree (RSTP) 802.1w MSTP (Multi-Service Transfer Platform)
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad;
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ;□ Port-based VLAN; 802.1Q tag-based VLAN
IGMP v1/v2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is not supported)
Security	
Secure Shell (SSH) Protocol	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL), HTTPS	SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch
Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
DHCP Snooping	prevent unauthorized configuration and use of IP addresses, while providing support for IP Source Guard and ARP detection
IP Source Guard	Prevents datagram with spoofed addresses from being in the network
ARP Inspection	Prevent ARP spoofing attacks and ARP
Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Quality of Service	
Hardware Priority Queue	Support 8 hardware queues
Scheduling	8 COS queues per port support strict priority and weighted round-robin (WRR)
Classification	Port based; 802.1p(PCP) VLAN priority based;
Rate Limiting	Ingress policer;egress shaping and rate control;per VLAN,per port and flow based
Management	(Web/ SSL, Telnet/ SSH, ping, Trivial File Transfer Protocol (TFTP), SNMP, Syslog)
Web GUI interface	Built-in switch configuration utility for browser-based device configuration (HTTP/ HTTPs). Supports configuration, system dashboard, maintenance, and monitoring
Firmware upgrade	Web browser upgrade (HTTP/ HTTPs) and TFTP;□ Upgrade through console port as well
Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to **N-1 (N is Switch's Ports)** ports can be mirrored to single destination port. A single session is supported.
Other management	Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client; SNTP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)

| Green Ethernet	
Green and Energy-saving Ethernet (EEE)	Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
General	
Jumbo frames	Frame sizes up to 10KB supported on Gigabit interfaces
MAC Table	16K MAC addresses.
Discovery	
Link Layer Discovery Protocol (LLDP)	Used by network devices for advertising their identities, capabilities, and neighbors on a IEEE 802 local area network, principally wired Ethernet.

➢ Dimension
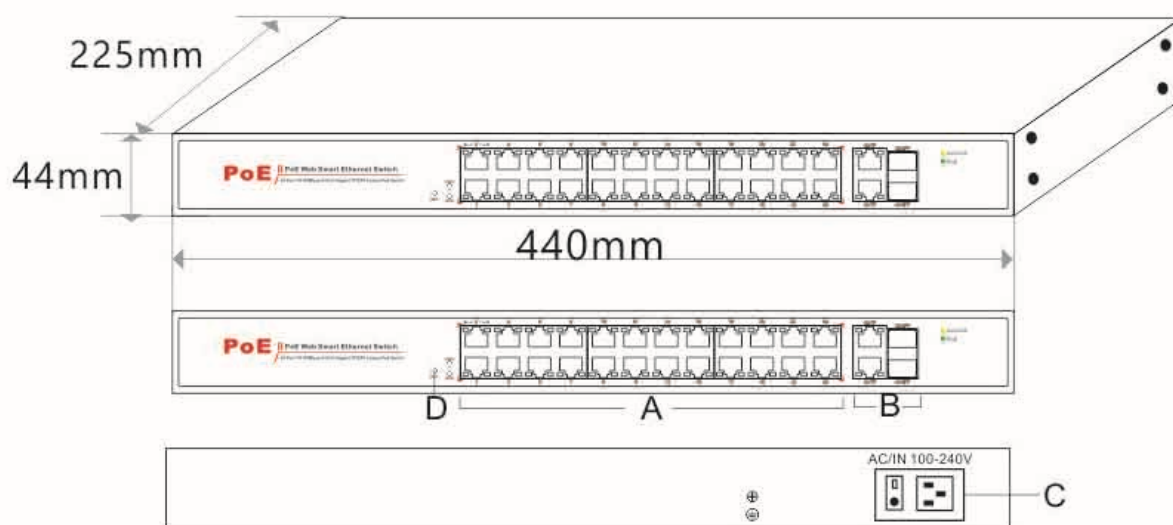
A.24*PoE Ports   B. 2*Sets Combo Ports
C.100-240VAC,50/60Hz   D. Reset

➢ Application
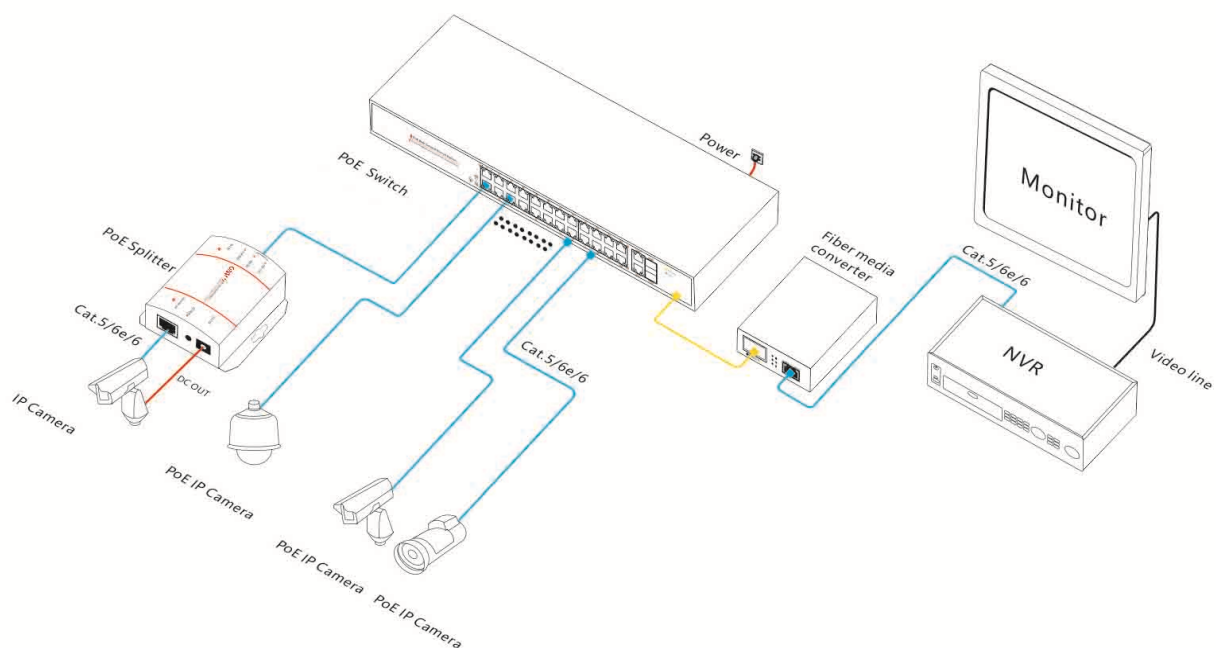
➢ Ordering Information

Model NO.	Description
ES1026-24P-2C-af	PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports,15.4W,Managed
ES1026-24P-2C-at	PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports, 25.5W,Managed

➢ Packing List

- PoE Switch with 24 PoE Ports and 2 Gigabit Combo Ports, Managed
- Power Cable x 1
- User manual x 1
- Warranty card x 1