



**POEFE404**  
8 Port Fast Ethernet Switch with 4 POE  
Ports

Version 1.01  
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## 1. Overview

The POEFE404 is an 8 port Fast Ethernet switch with 4x IEEE 802.3af compliant 10/100Mbps POE ports and 4 standard ports

The unit is designed in a robust metal casing suitable for use in almost any environment - Desktop, Rackmount (with add on brackets) or Industrial applications.

Store-and-Forward switching technology is used to provide the highest level of reliability and performance for your networking needs.

The POE functionality allows for simplified deployment of IEEE802.3af compliant POE devices, like VOIP handsets, wireless LAN equipment or security cameras. Each port can provide up to 15.4Watts of PoE power. The PoE standard specifies an isolated DC power applied to the network cable to power remote PoE compliance devices up to a maximum distance of 100 Meters. The power applied to the cable is transparent to non PoE devices.



## 2. Checklist

Before you start installing the POE Switch, please verify that the package contains the following items.

- The 8 Port Fast Ethernet Switch with 4 POE Ports
- AC Power Cord
- CD containing this manual

Please notify your sales representative if any of the above items are missing or damaged.

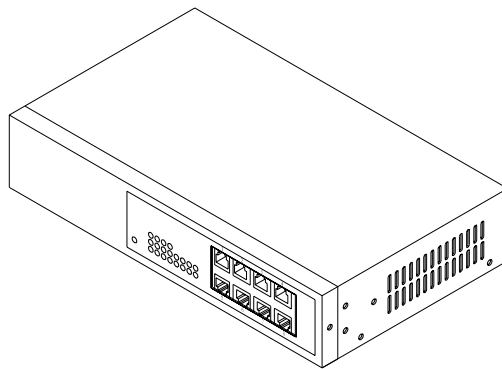
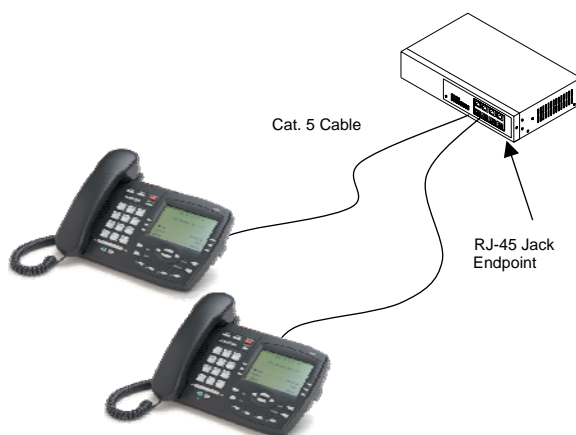


Fig. 1 8 Port Fast Ethernet Switch with 4 POE

## 3. Installing the Switch

With ease of installation in mind, the Alloy POEFE404 Fast Ethernet POE switch will fit seamlessly in to any new or existing network infrastructure. With Auto MDI/MDI-X auto cross over support on all 8 ports the need for both straight through and cross over cables are a thing of the past.

- ⇒ Use Cat. 5 grade RJ-45 cable or better to connect the POEFE404 switch to a network aware device, such as a workstation or server.
- ⇒ Repeat the above step as needed to connect up to 8 networking devices to the POEFE404.
- ⇒ For Fast Ethernet connections Cat.5 or Cat. 5e cable must be used with a maximum distance of 100m.
- ⇒ Insert the power cord in to the POEFE404 to supply power to the unit.
- ⇒ If you are connecting a PD device that will draw power from the POEFE404 device please ensure that you plug the cable into one of the four PSE ports. (Ports 1 to 4)



## 4. LED Description

LED	Colour	Function
Power	Green	Lit when power is present
<b>Ports 1 to 8</b>		
POE Act (Port 1 to 4)	Green	Lit when the Port is feeding power
Link/Act	Green	Lit when link is present Blinks when traffic is present
10/100Mbps	Green	Lit when 100Mbps speed is active Off when 10Mbps speed is active



Fig. 3 Front View of the 8-Port Fast Ethernet Switch with 4 POE Ports

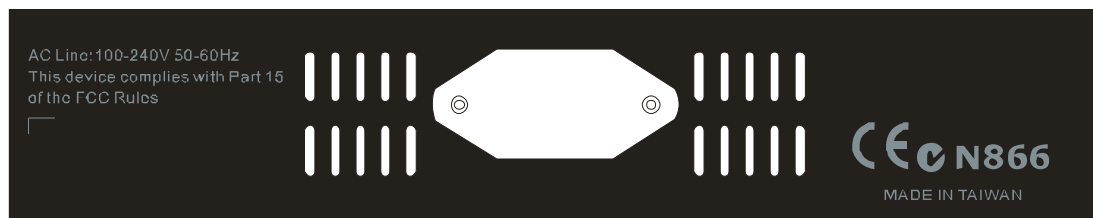


Fig. 4 Rear View of the 8-Port Fast Ethernet Switch with 4 POE Ports

## 5. Specifications

<b>Standards:</b>	IEEE 802.3/802.3u/802.3x IEEE 802.3af Power over Ethernet
<b>Transmission:</b>	10/100Mbps supports full or half duplex
<b>Data Transfer Rate:</b>	100Mbps: 148,800 PPS 10Mbps: 14,880 PPS
<b>MAC Address:</b>	Up to 1K
<b>Buffer Memory:</b>	96Kbyte on chip frame buffer
<b>Flow Control:</b>	IEEE 802.3x compliant for full-duplex Backpressure flow control for half-duplex
<b>Switching Method:</b>	Store & Forward
<b>Network Interface:</b>	8x 10/100Mbps RJ-45 ports
<b>UTP Cable:</b>	10Base-T: UTP Cat. 3, 4, 5 or up 100Base-TX: UTP Cat. 5 or up
<b>PSE Power Feeding Support:</b>	(Ports 1 to 4) Endpoint via pin 1, 2, 3, 6
<b>Diagnostic LED's:</b>	System LED: Power POE LED: POE Act (Port 1 to 4) Per Port LED: Link/Act, 10/100Mbps
<b>Voltage:</b>	100 – 240VAC
<b>Frequency:</b>	50 – 60Hz
<b>Power Consumption:</b>	Max. 4W (No PD Connected) Max. 65W (with 4 15.4W POE devices connected)
<b>Operating Temp:</b>	0° to 40°C
<b>Operating Humidity:</b>	10% to 90%
<b>Storage Temp:</b>	0° to 40°C
<b>Humidity:</b>	5% to 95%
<b>Dimensions:</b>	44(H) x 220(W) x 130.5(D) mm
Complies with FCC Part 15 Class A, CE Mark Approval, C-Tick	