ALLNET®

ALL8845PD

5 Port PoE Gigabit Switch

Manual

FCC Warning

This device has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy and, if not installed and used in accordance with the user's manual, it may cause interference in which case users will be required to correct interference at their own expenses.

CE Warning

This is a Class B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Introduction

Extending PoE power to another 100M.

This PoE switch provides 1-port 10/100/100M PD input and 4-port 10/100/1000M PSE output with 48V which is compliant with IEEE 802.3af/at standard. It can extend the distance via Cat. 5/5e/6 cable without any special equipment.

The PD port can be connected via Cat. 5/5e/6 cable to other PSE/PoE and get the power source from other PSE devices through Cat. 5/5e/6 cable. The PSE/PoE port can be connected to other PD via Cat. 5/5e/6 cable and extend a distance to another 100M through this device. It is designed for easy installation and high performance to an environment where the traffic is on the network and the number of users is increased continuously.

Package Contents

Before you start to install this switch, please verify

your package that contains the following items:

- PoE+ Gigabit Switch
- User's Manual
- **Optional:** 48V / 1.45A External Adaptor

Note: If any of these items is missing or damaged, please contact your

local supplier for the replacement.

Key Features

- 5 Port 10/100/1000M (Auto-negotiation) Switch with 1-port PD and 4-port PSE.
- 1-port PD/PoE can get power source from an upper PoE/PSE (IEEE 802.3at) device.
- 4-port PSE/PoE shares Max. 25 W or Max. 25W for one port

  Optional: 48V/1.45A → 4-port PSE shares Max. 70W or Max. 25 per port.
- Palm size with metal case
- Auto-learn of networking configurations
- Auto-detect full/half-duplex modes for any port
- Dedicated full-duplex 2000Mbps bandwidth
- Store-and-Forward switching methods
- IEEE 802.3x flow control for full-duplex and back-pressure flow control for half-duplex
- Non-blocking & Non-head-of-line blocking full wire speed forwarding
- Auto-MDI/MDI-X function for any port

Front Panel (LEDs)

LED Indicators of 5 Port 10/100/1000M with 1-port PD and 4-port PSE Switch

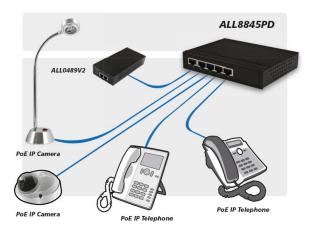| LED	Status	Description
Power (Yellow)	On	Power is on.
	Off	Power is off.
100M LINK/ACT (Green)	On	Connected on 100M
	Off	Not connected on 100M
	Flashing	Data is transmitting or receiving
1000M LINK/ACT (Green)	On	Connected on 1000M
	Off	Not connected on 1000M
	Flashing	Data is transmitting or receiving
PoE IN (Yellow)	On	Port is connected to PoE/PSE
	Off	No PSE connected.
PoE OUT (Yellow)	On	Port is connected to PoE/PD
	Off	No Power Device is connected
Loop (Red)	Flashing	A loop is detected
	Off	No loop is detected

Port 5 → PD

(Getting Power Source)

This PoE switch provides automatic crossover detection functionality. It is simple and friendly to up-link to another device without crossover cable.

Via a twisted pair cable straight through, this PoE switch can be connected to PCs, servers and other PSE/PD devices.

Optional : Power is supplied by an external 48V/DC power adapter.

Technical Specifications

Standards	IEEE 802.3af
	IEEE 802.3at
	IEEE 802.3 10BaseT
	IEEE 802.3u 100BaseTX
	IEEE 802.3ab 1000BaseT
	IEEE 802.3x Flow control
Features	Number of Ports: 5 10/100/1000BaseT(X) :
	1-port PD and 4-port PSE
	MAC Address: 2K
	Buffer Memory: 1Mbits
	Method: Store and Forward
Filtering/ Forwarding Rates	1000Mbps port – 1,488,000pps
	100Mbps port – 148,800pps
	10Mbps – 14,880pps
Transmission Media	10/100/1000BaseTX Cat. 5 UTP/STP or above
LED Indicators	Per Port:100M LINK/ACT, 1000M LINK/ACT, PoE
	Per Unit: Power
Power Source	PD (Port 5) getting power source from a connected PoE/ PSE (IEEE 802.3at) devices.
	4-port shares Max. 25W

Power Input	**Optional :** DC 48V / 1.45A 4-port shares Max. 70W or Max. 25W per port
Power Output	48V/DC to PD devices
Dimensions	130 × 97 × 24 mm (L x W x H)
Weight	0.33 kg
Operating Temperature	0 to 40°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class B, CE

EC - Declaration of Conformity

for the following equirement:

ALL8845PD
5 Port Poe Gigabit Switch

CE The safety advice in the document accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The ALLNET ALL8845PD conforms to the Council Directives of EC EMC 2004/108/EC with CE marking requirement. This equipment meets the the following conformance standards:

EN 55022:2010 Class B	EN 55024:2010
IEC 61000-3-2:2005	IEC 61000-4-2:2008
+A1:2008+A2:2009	IEC 61000-4-3:2006+A1:2007+A2:2010
IEC 61000-3-3:2008	IEC 61000-4-4:2004+A1:2010
	IEC 61000-4-5:2005
	IEC 61000-4-6:2008
	IEC 61000-4-8:2009
	IEC 61000-4-11:2004

This equipment is intended to be operated in all countries.

This declaration is made by

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Germering, 12.05.2012