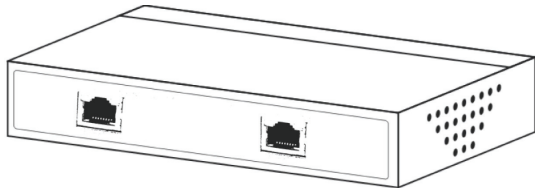




2-port PoE Extender

1-port PD + 1-port PSE
(IEEE 802.3af standard)



User's Manual
DN-95120

FCC Warning

This device has been tested and found to comply with limits for a Class A digital device and pursuant to Part 15 of FCC Rules. These limits are designed to provide a reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates and radiates radio frequency energy. If it's 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 A 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 a distance to another 100M per extender and cascading for a longer distance.

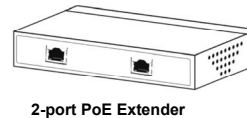
This PoE extender provides 1-port 10/100M PD input port and 1-port 10/100M PSE output port with 48V which is compliant with IEEE 802.3af standard. It can extend the distance via Cat. 5/5e/6 cable without any special equipment.

The PD port can be connected via Cat. 5/5e/6 cable to other PSE/PoE and get the power source from other PSE port 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.

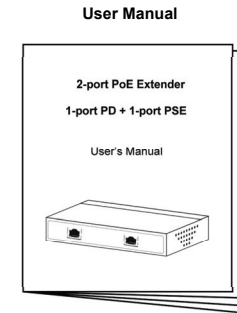
Package Contents

Before you start to install this switch, please verify your package that contains the following items:

- One 2-port PoE Extender
- One User's Manual



2-port PoE Extender



User Manual

Note: If any of these items is found missing or damaged, please contact your local supplier for replacement.

Key Features

- 2-port PoE Extender: 1-port 10/100M PD (Data+Power in) and 1-port 10/100M PSE (Data+Power out) which is compliant with IEEE 802.10BaseT, IEEE 802.3u 100BaseTX and IEEE 802.3af PoE.
- 1-port (Data+Power in) is IEEE 802.3af Powered Device (PD) getting power source from other PSE
- 1-port (Data+Power out) is IEEE 802.3af Power Sourcing Equipment (PSE) providing power source to other PD
- Palm size with metal case
- Auto-learn of networking configurations
- Auto-detect full/half-duplex modes for any port
- Dedicated full-duplex 200Mbps 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
- Smart plug & play

Front Panel (LEDs)

LED Indicator of 2-port PoE Extender

LED	Status	Description
PSE	On	Port is connected
	Off	No connection.
Power	On	Power is on.
	Off	Power is off.
LINK/ACT	On	Port is connected
	Off	No connection.
	Flashing	Data is transmitting or receiving

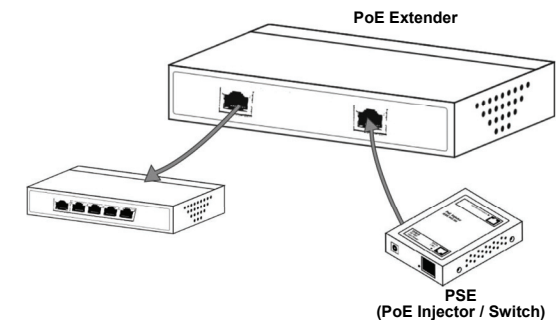


2-port PoE Extender

Rear Panel (Connections)

PSE/PD to 2-port PoE Extender
2-port PoE Extender
Port 1 → PSE
(Providing Power to other PD)
Port 2 → PD
(Getting Power Source)

This PoE extender provides automatic crossover detection functionality. Via a twisted pair cable straight through, this PoE extender can be connected to other PSE/PD.



Technical Specifications

Standards	IEEE 802.3af IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3x Flow control
Features	Number of Ports: 1 x PD (Data+Power in)+ 1 x PSE (Data+Power out) MAC Address: 1K Buffer Memory: 96K Bytes Method: Store and Forward
Filtering/ Forwarding Rates	100Mbps port – 148,800pps 10Mbps – 14,880pps
Transmission Media	Cat. 5/5e/6 UTP/STP
LED Indicators	Power: PD Link Port 2: PD Link/Act PSE Status: Link Port 1: PSE Link/Act
Power Output/Input	1-port 48V/DC Input/Output
Power Consumption	2 Watts (Max)
Dimensions	130 × 77 × 24mm (L x W x H)
Weight	0.18 kg
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

Power and Extend distance

Power is supplied through Cat. 5/5e/6 cable from other PSE and extend a distance to another 100M through this device.

