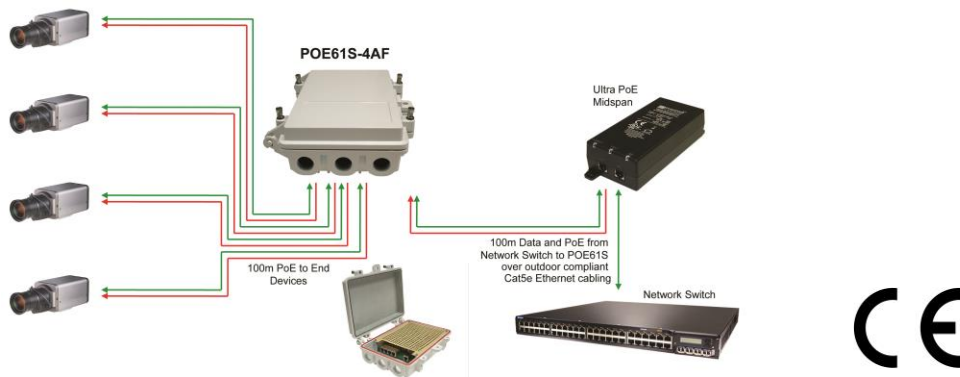




## 5 Port PoE Switch Powered by ULTRA PoE Extends Ethernet Data and PoE to External Devices



### Features

- 4 Ports 15.4W per port
- 10/100 Base-T Data Rates
- Circuit Boost to Compensate for Wire Drops
- Powered by Ultra PoE (No AC or DC input)
- -40-60°C operation
- IP67 Rating (Waterproof)
- Full power Every Port
- Extends Ethernet to 200meters from the network switch
- Optional Cable Glands for Waterproof Operation (sold separately)

### Applications

- IP Cameras
- Access Controls
- Wireless Access Points
- IP Telephones

### Safety Approvals

- CE

### Mechanical Characteristics

- Length: 252.1mm (9.93in)
- Width: 176mm (6.93in)
- Height: 78mm (3.07in)
- Weight: 1.7Kg (3.75lb)

### Mechanical Characteristics (With Mounting Bracket)

- Length: 300mm (11.81in)
- Width: 184mm (7.24in)
- Height: 82mm (3.23in)
- Weight: 2.83Kg (6.25lb)

### Output Specifications

Model	Output
POE61S-4AF-R	15.4W per port on 4 ports Total power-62W

Reference files: [POE61S-4AF User Manual](#)

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**INPUT:**

The PoE extender can only receive power from an “Ultra PoE” midspan, “Mega PoE” midspan, or equivalent.

**DC Input Voltage Range**  
45-57VDC

**Ripple and Regulation**  
100mV maximum

**DC Input Current**  
2.5A at 45VDC at maximum load  
2.0A at 57VDC at maximum load

**Efficiency**  
84% (typical) at full load and 48VDC

**PoE Standard Compliance**  
**Input**  
12.5K Internal Signature Resistance  
**Output**  
Detects a 25K Signature Resistance

**ENVIRONMENTAL:**

**Temperature**  
Operation -40 to +60°C  
Non-operation -40 to +85°C  
Humidity 5 to 90%

**Cable**  
Designed to operate up to 100 meters per IEEE 802.3, Cat 5e or Cat 6 rated for outdoor use

**Weather Proof Enclosure**  
IP67 Compliant

**Immunity**  
ESD: EN61000-4-2. Level 3  
RS: EN61000-4-3. Level 3  
EFT/Burst: EN61000-4-4. Level 2  
Surge: EN61000-4-5. Level 2  
CS: EN61000-4-6. Level 2  
Note: RS and CS tested with POE75U-1UP

**EMC**  
EN55022 Class B  
FCC Part 15, Class B

**Isolation Test**

Input to Field Ground: 2121VDC for 1 minute  
Output to Field Ground: 2121VDC for 1 minute

**Insulation Resistance**  
Input and Output to field ground: >10 OHM 500VDC

**FEATURES:**  
**Over Voltage/Current, Short Circuit Protection**

Outputs equipped with short circuit protection and overload protection as per 802.3af specification

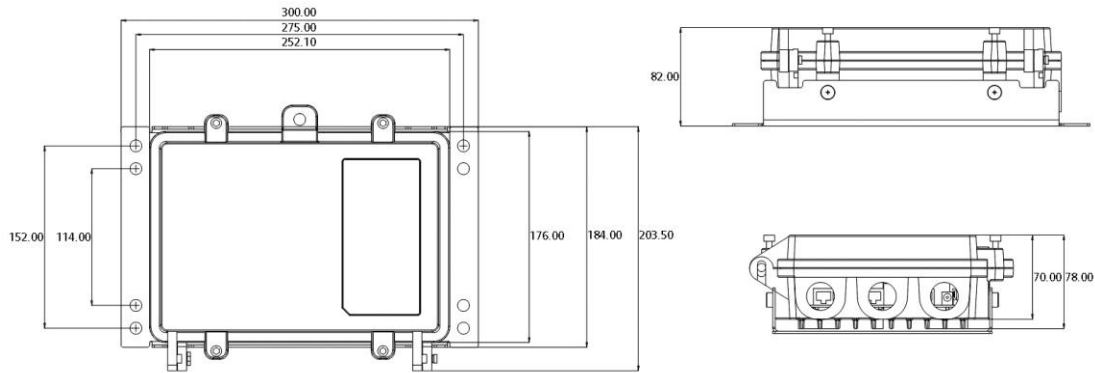
**Indicators**

Ethernet	Green Full Duplex, otherwise Half Duplex Green 100M, otherwise 10M Yellow blinking, Ethernet activity
POE	INPUT On: Input power OK Off: No power or voltage low OUTPUT On: POE output OK Off: No POE output

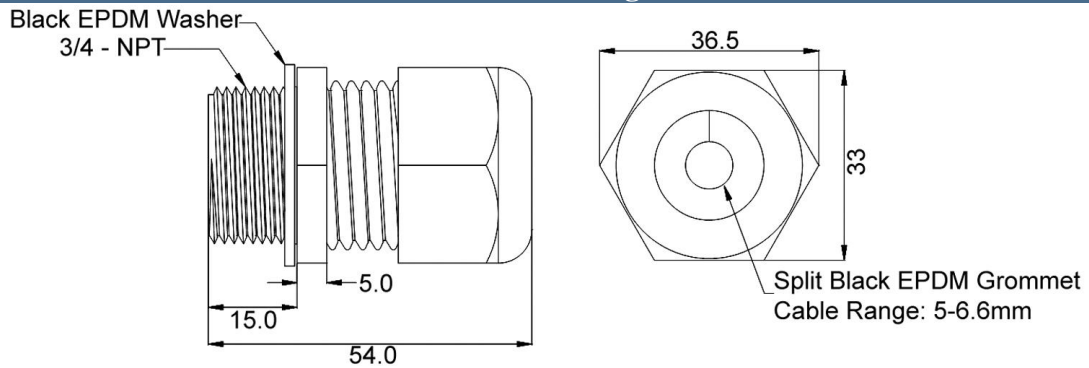
**Input and Output Data Connector**  
RJ45

**Input/Output Case Ports**  
3 ¾ NPT holes compatible with standard ¾ NPT conduit piping or Phihong wire glands PGLAND750/PGLAND750-2 with fully waterproof AC and Ethernet cables.

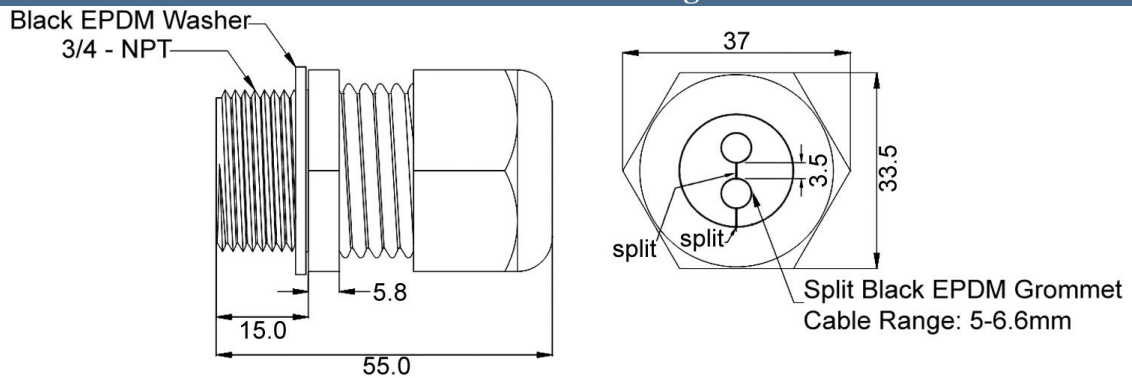
**Network Switch**  
Network Switch must be Environment Rated B as per paragraph 33.4.1.1 of the IEEE802.3at standard.



Single Cable Gland - PGLAND750\* Dimension Diagram unit:mm



Double Cable Gland - PGLAND750-2\* Dimension Diagram unit:mm



Note \*: Cable Glands are sold separately

**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://www.phihong.com)

NOTE: This model has/The models in this products series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.