EdgeRouter™ PoE

5-Port Router with Power over Ethernet
Model: ERPoe-5

Quick Start Guide
Introduction

Thank you for purchasing the Ubiquiti Networks® EdgeRouter™ PoE 5-Port Router. This Quick Start Guide is designed to guide you through installation and also includes warranty terms.

Package Contents

- EdgeRouter PoE
- Power Adapter (48V, 1.25A)
- Power Cord
- Screws (M2.9x20, Qty. 2)
- Screw Anchors (M2.9, Qty. 2)
- Quick Start Guide

TERMS OF USE: All Ethernet cabling runs must use CAT5 (or above). It is the customer’s responsibility to follow local country regulations, including operation within legal frequency channels, output power, indoor cabling requirements, and Dynamic Frequency Selection (DFS) requirements.
## Hardware Overview

### Front Panel Ports

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<th>Interface</th>
<th>Description</th>
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<tr>
<td><strong>Console</strong></td>
<td>RJ45 serial console port for Command Line Interface (CLI) management. Use a RJ45-to-DB9 serial console cable to connect the Console port to your computer.</td>
</tr>
<tr>
<td><strong>Ethernet (eth0-eth4)</strong></td>
<td>All ports can be used for routing and support 10/100/1000 Mbps connections with configurable PoE settings. <em>eth2, eth3,</em> and <em>eth4</em> can be configured for switching using the EdgeOS Configuration Interface.</td>
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</table>
| **Reset**          | There are two methods to reset the EdgeRouter PoE to factory defaults:  
                      - *Runtime reset* (recommended) The EdgeRouter PoE should be running after bootup is complete. Press and hold the Reset button for about 10 seconds until the right LED on port *eth4* starts flashing and then becomes solidly lit. After a few seconds, the LED will turn off, and the router will automatically reboot.  
                      - *Power-on reset* Disconnect the Power Cord from the Power Adapter. Press and hold the Reset button while connecting the Power Cord to the Power Adapter. Keep holding the button until the right LED on port *eth4* starts flashing and then stops flashing after a few seconds. |
### Front Panel LEDs

#### Console
- **Power LED**
  - Off: Power off
  - Green: Power on

#### PoE
- **PoE LED**
  - Off: No Power over Ethernet
  - Green: 24V Power over Ethernet
  - Amber: 48V Power over Ethernet

#### Ethernet (eth0-eth4)
- **Speed/Link/Act LED**
  - Off: No Link
  - Amber: Link Established at 10/100 Mbps
  - Amber Flashing: Link Activity at 10/100 Mbps
  - Green: Link Established at 1000 Mbps
  - Green Flashing: Link Activity at 1000 Mbps
Installation Requirements

• Drill with a 6 mm drill bit (for wall-mounting)
• Phillips screwdriver
• For indoor applications, use Category 5 (or above) UTP cabling approved for indoor use.
• For outdoor applications, shielded Category 5 (or above) cabling should be used for all wired Ethernet connections and should be grounded through the AC ground of the power supply.

We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti Networks. For more details, visit: www.ubnt.com/toughcable

WARNING: To reduce the risk of fire or electric shock, do not expose the EdgeRouter to rain or moisture.

Note: Although the cabling can be located outdoors, the EdgeRouter itself should be housed inside a protective enclosure.

Hardware Installation

The EdgeRouter PoE can be placed on a desktop or mounted to a wall or other surface.

WARNING: FAILURE TO PROVIDE PROPER VENTILATION MAY CAUSE FIRE HAZARD. KEEP AT LEAST 20 MM OF CLEARANCE NEXT TO THE VENTILATION HOLES FOR ADEQUATE AIRFLOW.
Wall Mounting

To mount the EdgeRouter PoE on a wall:

1. Use a 6 mm drill bit to drill two holes 100 mm apart.
2. Insert the M2.9 Anchors into the holes. Use a Phillips screwdriver to secure a M2.9x20 Screw to each anchor. Leave a clearance of approximately 3 mm between each screw head and its anchor.

**Note:** The EdgeRouter PoE may also be mounted in a vertical orientation.

3. Position the EdgeRouter PoE with the Ethernet ports facing down. Place the wall-mount slots of the EdgeRouter PoE over the screw heads on the wall. Then slide the EdgeRouter PoE down to lock it into place.
Grounding the EdgeRouter PoE (Recommended)

The EdgeRouter PoE is grounded through the *Power Adapter*; however, you can add optional ESD grounding for enhanced ESD protection.

1. Loosen the grounding screw and secure a ground wire (not included) to the *Grounding Point*.

2. Secure the other end of the ground wire to a grounding block or other grounded structure.
Connecting Power

1. Connect the *Power Adapter* to the *Power* port.

2. Connect the *Power Cord* to the *Power Adapter*. Connect the other end of the *Power Cord* to a power outlet.
Accessing the EdgeOS Configuration Interface

1. Connect an Ethernet cable from the Ethernet port of your computer to the port labeled eth0 on the EdgeRouter PoE.

2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet (e.g., 192.168.1.100).

3. Launch your web browser. Type https://192.168.1.1 in the address field, and press enter (PC) or return (Mac).

4. The login screen will appear. Enter ubnt in the Username and Password fields. Read the Ubiquiti License Agreement, and check the box next to I agree to the terms of this License Agreement to accept it. Click Login.

The EdgeOS Configuration Interface will appear, allowing you to customize your settings as needed.
Configuring PoE Settings

The PoE setting for ports *eth0-eth4* is set to **Off** by default.

**WARNING:** Before activating PoE, ensure that the connected device supports passive PoE and the supplied voltage.

1. In the *Dashboard* tab, click **Actions > PoE** of the Ethernet port you want to configure.

2. The *Interface Configuration* window will appear. Select the appropriate PoE setting*, and click **Save**.

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*Note: The PoE setting options shown in the diagram may differ from the actual settings.*
3. The PoE LED on the Ethernet port will confirm the PoE setting.

For detailed instructions on configuring other features, please refer to the EdgeRouter PoE User Guide. The User Guide is available at documentation.ubnt.com/edgemax
## Specifications

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* 48V only available when using the included 48VDC Power Adapter.
Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

**WARNING:** Failure to provide proper ventilation may cause fire hazard. Keep at least 20 mm of clearance next to the ventilation holes for adequate airflow.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

**WARNING:** Do not use this product in location that can be submerged by water.

**WARNING:** Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer’s label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
   a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
   b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
   c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
   d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
   e. Protective bonding must be installed in accordance with local national wiring rules and regulations.
Limited Warranty

UBIQUITI NETWORKS, Inc (“UBIQUITI NETWORKS”) warrants that the product(s) furnished hereunder (the “Product(s)”) shall be free from defects in material and workmanship for a period of one (1) year from the date of shipment by UBIQUITI NETWORKS under normal use and operation. UBIQUITI NETWORKS’ sole and exclusive obligation and liability under the foregoing warranty shall be for UBIQUITI NETWORKS, at its discretion, to repair or replace any Product that fails to conform to the above warranty during the above warranty period. The expense of removal and reinstallation of any Product is not included in this warranty. The warranty period of any repaired or replaced Product shall not extend beyond its original term.

Warranty Conditions

The above warranty does not apply if the Product:
(I) has been modified and/or altered, or an addition made thereto, except by Ubiquiti Networks, or Ubiquiti Networks’ authorized representatives, or as approved by Ubiquiti Networks in writing;
(II) has been painted, rebranded or physically modified in any way;
(III) has been damaged due to errors or defects in cabling;
(IV) has been subjected to misuse, abuse, negligence, abnormal physical, electromagnetic or electrical stress, including lightning strikes, or accident;
(V) has been damaged or impaired as a result of using third party firmware;
(VI) has no original Ubiquiti MAC label, or is missing any other original Ubiquiti label(s); or
(VII) has not been received by Ubiquiti within 30 days of issuance of the RMA.

In addition, the above warranty shall apply only if: the product has been properly installed and used at all times in accordance, and in all material respects, with the applicable Product documentation; all Ethernet cabling runs use CAT5 (or above), and for outdoor installations, shielded Ethernet cabling is used, and for indoor installations, indoor cabling requirements are followed.

Returns

No Products will be accepted for replacement or repair without obtaining a Return Materials Authorization (RMA) number from UBIQUITI NETWORKS during the warranty period, and the Products being received at UBIQUITI NETWORKS’ facility freight prepaid in accordance with the RMA process of UBIQUITI NETWORKS. Products returned without an RMA number will not be processed and will be returned freight collect or subject to disposal. Information on the RMA process and obtaining an RMA number can be found at: www.ubnt.com/support/warranty.
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Limitation of Liability

EXCEPT TO THE EXTENT PROHIBITED BY LOCAL LAW, IN NO EVENT WILL UBIQUITI OR ITS SUBSIDIARIES, AFFILIATES OR SUPPLIERS BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES (INCLUDING LOST PROFIT, LOST DATA, OR DOWNTIME COSTS), ARISING OUT OF THE USE, INABILITY TO USE, OR THE RESULTS OF USE OF THE PRODUCT, WHETHER BASED IN WARRANTY, CONTRACT, TORT OR OTHER LEGAL THEORY, AND WHETHER OR NOT ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.
Note

Some countries, states and provinces do not allow exclusions of implied warranties or conditions, so the above exclusion may not apply to you. You may have other rights that vary from country to country, state to state, or province to province. Some countries, states and provinces do not allow the exclusion or limitation of liability for incidental or consequential damages, so the above limitation may not apply to you. EXCEPT TO THE EXTENT ALLOWED BY LOCAL LAW, THESE WARRANTY TERMS DO NOT EXCLUDE, RESTRICT OR MODIFY, AND ARE IN ADDITION TO, THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE LICENSE OF ANY SOFTWARE (EMBEDDED IN THE PRODUCT) TO YOU. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to any transactions regarding the sale of the Products.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the 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, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada

CAN ICES-3(A)/NMB-3(A)

This Class A digital apparatus complies with Canadian CAN ICES-003.

CAN ICES-3(A)/NMB-3(A)

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.
Australia and New Zealand

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.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

RoHS/WEEE Compliance Statement

English

European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Deutsch

Español
La Directiva 2012/19/UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más detallada sobre la eliminación segura de su aparato usado, consulte a las autoridades locales, al servicio de recogida y eliminación de residuos de su zona o pregunte en la tienda donde adquirió el producto.

Français
La directive européenne 2012/19/UE exige que l’équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L’élimination et le recyclage en bonne et due forme ont pour but de lutter contre l’impact néfaste potentiel de ce type de produits sur l’environnement et la santé publique. Pour plus d’informations sur le mode d’élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l’endroit où vous avez acheté le produit.

Italiano
La direttiva europea 2012/19/UE richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull’imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l’ambiente e per la salute dell’essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.
UBIQUITI NETWORKS tímto prohlašuje, že toto UBIQUITI NETWORKS zařízení, je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnic 2014/30/EU, 2014/35/EU.

Hermed, UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enhed, er i overensstemmelse med de væsentlige krav og øvrige relevante krav i direktiver 2014/30/EU, 2014/35/EU.

Hierbij verklaart UBIQUITI NETWORKS, dat deze UBIQUITI NETWORKS apparaat, in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijnen 2014/30/EU, 2014/35/EU.

Hereby, UBIQUITI NETWORKS, declares that this UBIQUITI NETWORKS device, is in compliance with the essential requirements and other relevant provisions of Directives 2014/30/EU, 2014/35/EU.

Käesolevaga UBIQUITI NETWORKS kinnitab, et antud UBIQUITI NETWORKS seade, on vastavus olulistele nõuetele ja teistele asjakohastele sätetele direktiivide 2014/30/EL, 2014/35/EL.

Täten UBIQUITI NETWORKS vakuuttaa, että tämä UBIQUITI NETWORKS laite, on yhdenmukainen olennaisten vaatimusten ja muiden sitä koskevien direktiivien 2014/30/EU, 2014/35/EU.

Par la présente UBIQUITI NETWORKS déclare que l'appareil UBIQUITI NETWORKS, est conforme aux exigences essentielles et aux autres dispositions pertinentes des directives 2014/30/UE, 2014/35/UE.


Δια του παρόντος, UBIQUITI NETWORKS, δηλώνει ότι αυτή η συσκευή UBIQUITI NETWORKS, είναι σε συμμόρφωση με τις βασικές απαιτήσεις και τις λοιπές σχετικές διατάξεις των οδηγιών 2014/30/ΕΕ, 2014/35/ΕΕ.

Con la presente, UBIQUITI NETWORKS, dichiara che questo dispositivo UBIQUITI NETWORKS, è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti delle direttive 2014/30/UE, 2014/35/UE.

Ar šo, UBIQUITI NETWORKS, deklarē, ka UBIQUITI NETWORKS ierīce, ir saskaņā ar būtiskajām prasībām un citiem attiecināmiem noteikumiem Direktīvās 2014/30/ES, 2014/35/ES.

UBIQUITI NETWORKS, erklærer at denne UBIQUITI NETWORKS enheten, er i samsvar med de grunnleggende kravene og andre relevante bestemmelser i direktivene 2014/30/EU, 2014/35/EU.