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ntents

EdgeRouter

Mounting Brackets (Qty. 2)

Bracket Screws (Qty. 8)

Mounting Screws (Qty. 4)

Cage Nuts (Qty. 4)

Power Cords (Qty. 2)

Rubber Feet (Qty. 4)

Installation Requirements

- Phillips screwdriver (for rack- or wall-mounting)
- Standard-sized, 19" wide rack with a minimum of 1U height available (for rack-mounting)
- 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. For more details, visit: ui.com/toughcable

Note: Although the cabling can be located outdoors, the EdgeRouter itself should be

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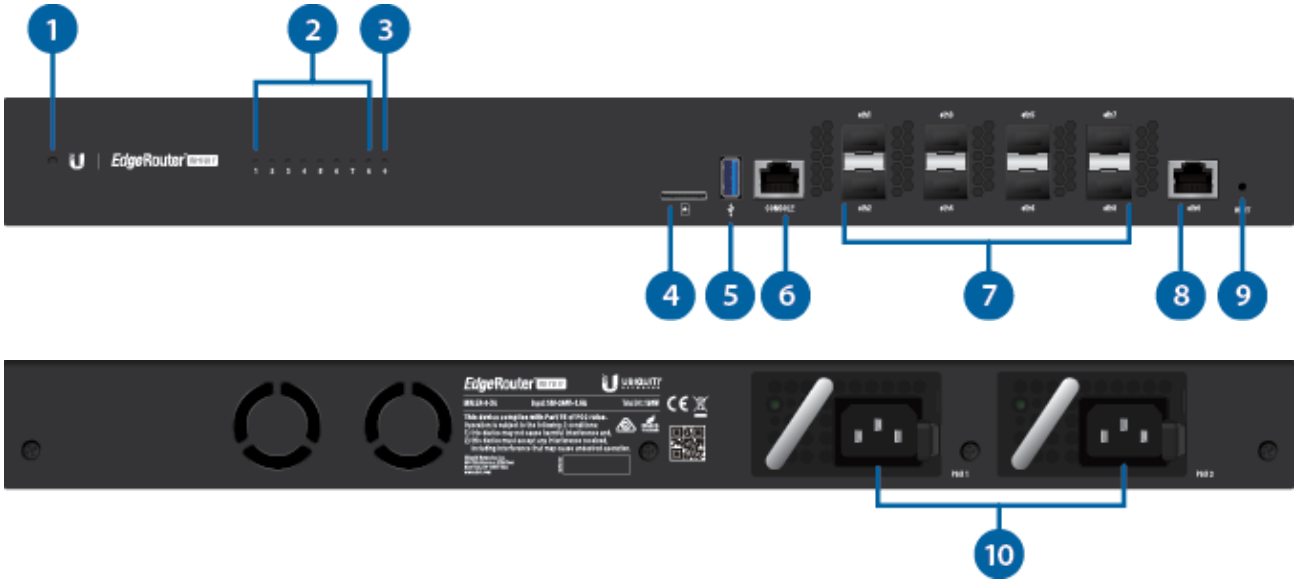
Overview



Note: The System LED functionality has been updated with firmware v1.10.8. We recommend that you update the EdgeRouter to the latest firmware.

1 System LED	
Flashing White	Bootup in progress.
White	Ready for use, not connected to Ubiquiti® Network Management System (UNMS™).
Blue	Ready for use, connected to UNMS.
Steady Blue with Occasional Flashing	Ready for use, unable to connect to UNMS, check connection to UNMS server.
Quickly Flashing Blue	Used to locate a device in UNMS.
Alternating Blue/White	Firmware upgrade in progress.
2 SFP Link/Act LED (Ports eth1-8)	
Off	No Link
White	Link Established Flashing Indicates Activity
3 RJ45 Link/Act LED (Port eth0)	
Off	No Link

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Flashing indicates Activity
Reserved for future use.
5 USB
Reserved for future use.
6 Console
RJ45 serial console port for Command Line Interface (CLI) management.
7 SFP+ (Ports eth1-8)
Hot-swappable SFP+ ports support 10 Gbps connections.
8 RJ45 (Port eth0)
RJ45 port supports 10/100/1000 Ethernet connections.
9 Reset Button
Click here to learn how to reset an EdgeRouter to factory defaults.
10 PSU Power Ports
Two AC/DC 100W power supplies are included. You also have the option to use a DC/DC PowerModule™, model RPS-DC-100W (sold separately).

Hardware Installation

1.

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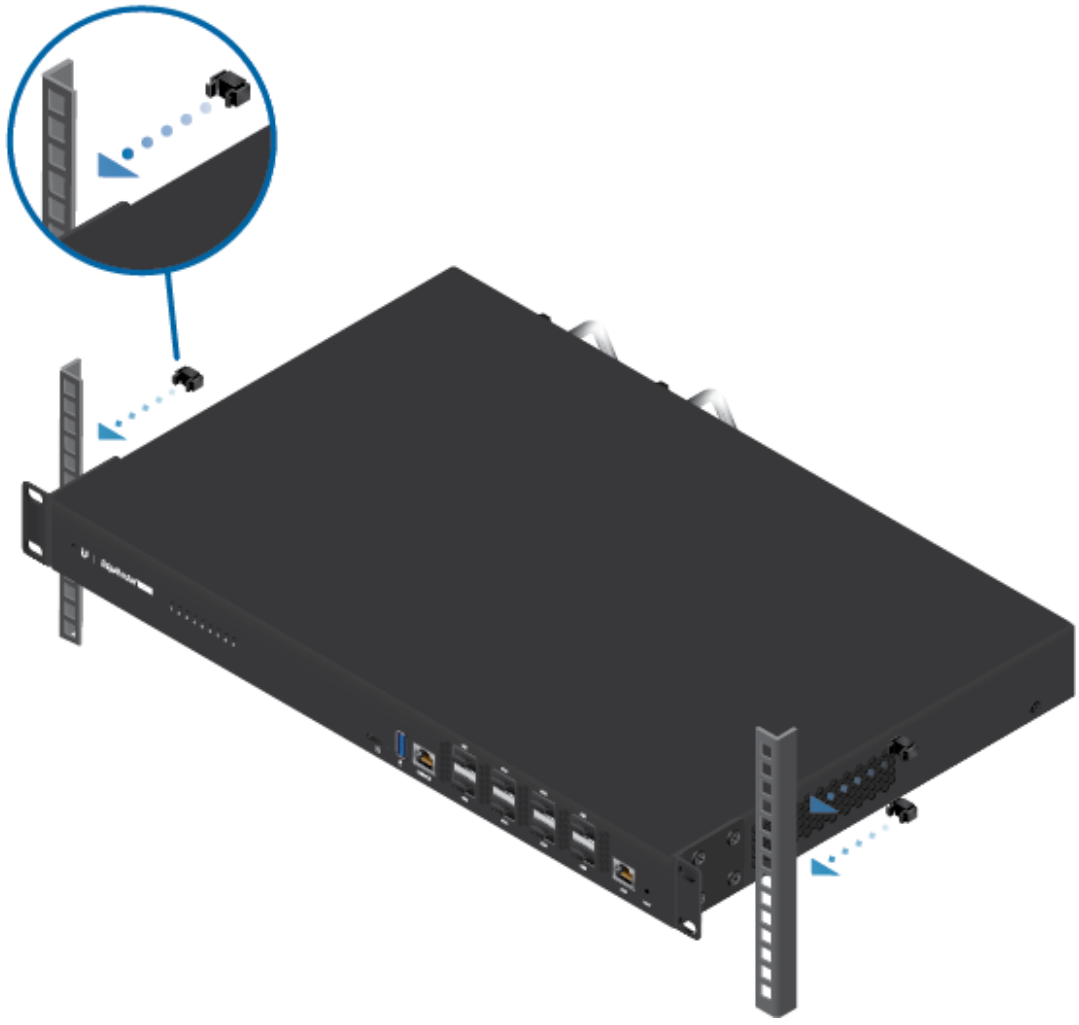
OR



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For information about compatible fiber SFP modules, visit:
ubnt.link/SFP_DAC_Compatibility

Accessing the EdgeOS Configuration Interface

The EdgeOS® configuration interface can be accessed via DHCP or static IP address assignment. By default, eth1 is set up as a DHCP client, while eth0 is assigned a static IP address of 192.168.1.1. To configure the EdgeRouter, proceed to the appropriate section: DHCP or "Static IP Address".

DHCP

1. Connect a cable from eth1 on the EdgeRouter to a LAN segment that has an existing DHCP server.

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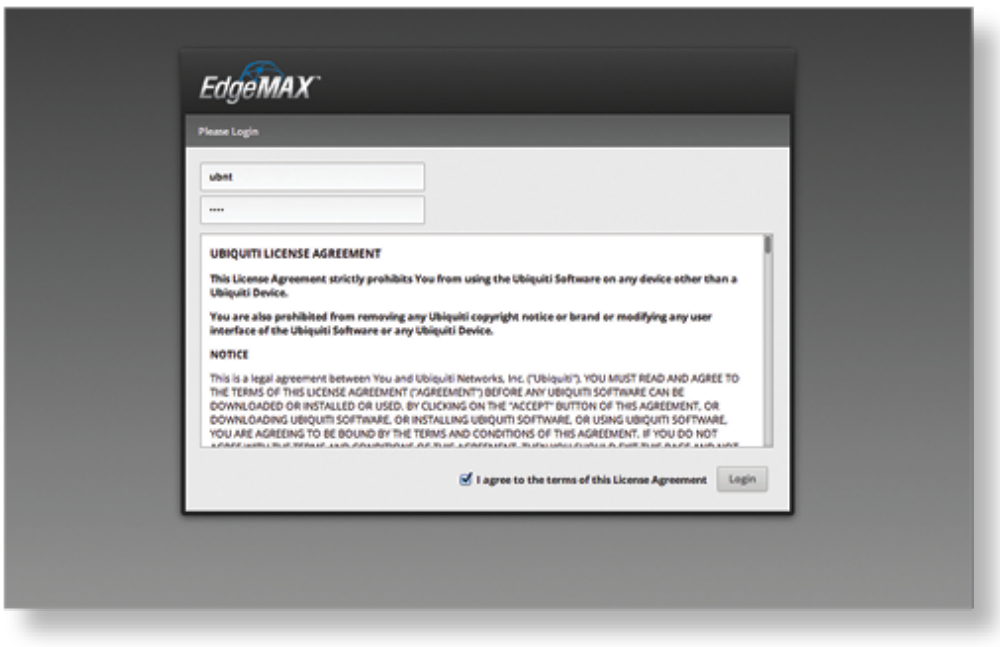
2. To check the IP address of the EdgeRouter, use one of the following methods:
   - Set up the DHCP server to provide a specific IP address to the EdgeRouter based on its MAC address (on the label).
   - Let the EdgeRouter obtain an IP address and then check the DHCP server to see which IP address was assigned.
3. Launch your web browser. Enter the appropriate IP address in the address field. Press enter (PC) or return (Mac).
4. 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. For more information, refer to the EdgeOS User Guide, which is available at ui.com/download/edgemax

Static IP Address

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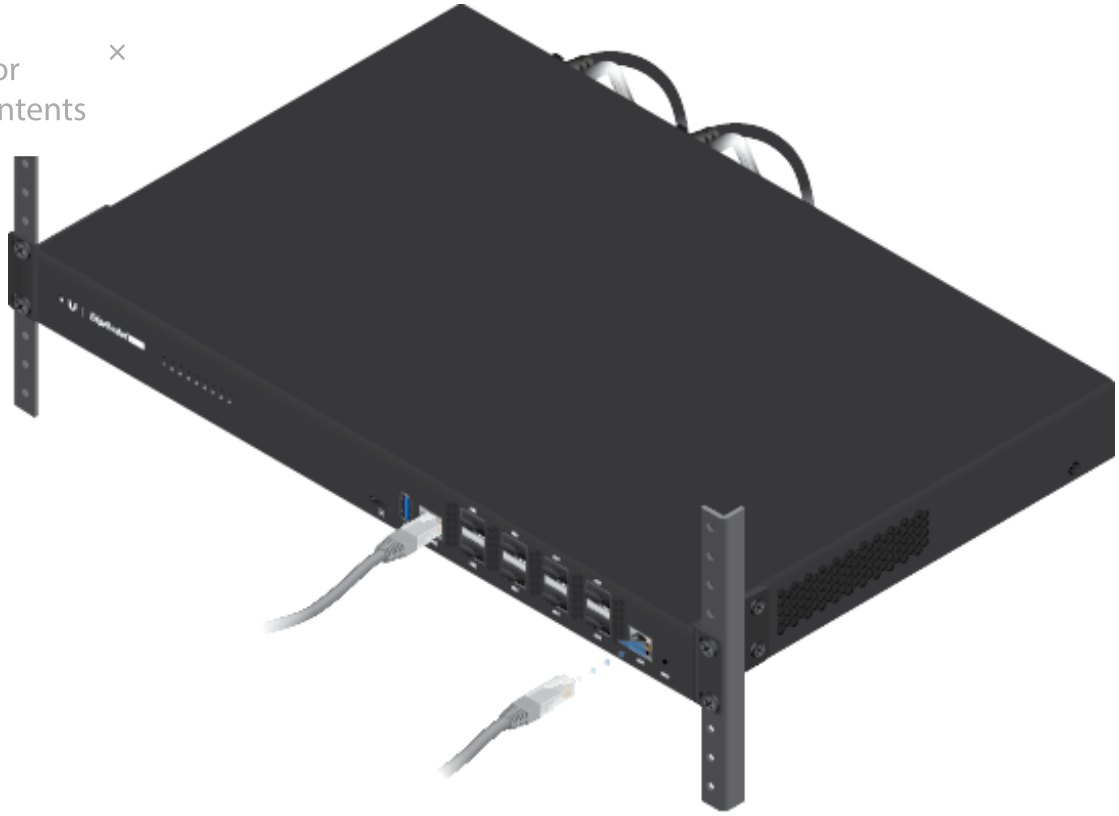

2. Configure the Ethernet adapter on your host system with a static IP address on the 192.168.1.x subnet.
3. Launch your web browser. Type https://192.168.1.1 in the address field. Press enter (PC) or return (Mac).

4. 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. For more information, refer to the EdgeOS User Guide, which is available at

UNMS Management

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our device using UNMS, which lets you configure, monitor, upgrade, and
ces using a single application. Get started at www.unms.com

Specifications

ER-8-XG	
Dimensions	442.4 x 285.6 x 43.7 mm (17.42 x 11.24 x 1.72")
Weight Without Mount With Mount	 4.950 kg (10.91 lb) 5.045 kg (11.12 lb)
Max. Power Consumption	100W
Power Method	110 - 240VAC
Power Supply	(2) Hotswappable AC/DC PSU
Supported Voltage Range	AC Input: 100 to 240VAC
Button	Reset
Processor	MIPS64 16 Core 1.8 GHz
System Memory	16 GB DDR4 RAM
On-Board Flash Storage	8 MB NOR Flash 4 GB eMMC NAND Flash
LEDs System SFP+ Data Ports RJ45 Data Port	 Status Link/Activity Link/Activity
Interfaces Serial Console Port Data Ports	 (1) RJ45 Serial Port (8) SFP+ Ports (1) RJ45 Gigabit Ethernet Port
Mounting	Rack
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Operating Temperature	-5 to 40° C (23 to 104° F)
Operating Humidity	5 - 95% Noncondensing
Certifications	CE, FCC, IC

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.

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× To reduce the risk of fire or electric shock, do not expose this product to rain or

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

ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

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

required to correct the interference at his own expense.

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3(A)

Australia and New Zealand

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

CE Marking

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

CE

WEEE Compliance Statement

Declaration of Conformity

Online Resources