Manuals+

Edge-core OAP103 T Wi-Fi 6 Dual Band Enterprise Access Point

USER MANUAL

Package Contents

①   ②

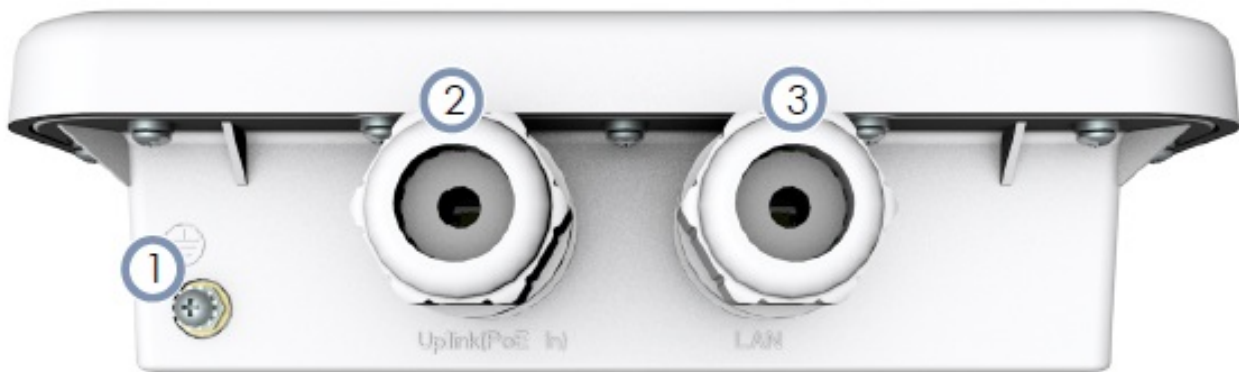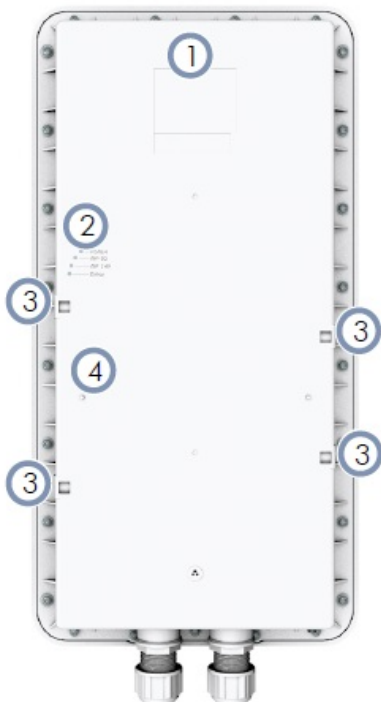③   ④   ⑤

1. OAP103 (T) access point

2. Wall Mounting kit—bracket, 4 wall screws, and 4 plugs

3. Pole Mounting kit—bracket, 4 screws, and 2 steel hose clamps

4. 2 x Cable glands

5. QR code label

Overview

1. Grounding point

2. Uplink (PoE In) port: 2.5Gbps uplink connection with 802.3at PoE support

3. LAN port: 2.5Gbps connection to a LAN device

1. Enclosure

2. LEDs:

– Power: On (power OK), Blinking (boot up)

– WiFi 5G: On (radio on), Blinking (traffic)

– WiFi 2.4G: On (radio on), Blinking (traffic)

– EthNet: On (link), Blinking (traffic)

3. Mounting points

4. Mounting guides

Installation

Warning: For a safe and reliable installation, use only the accessories and screws provided with the device. Use of other accessories and screws could result in damage to the unit. Any damages incurred by using unapproved accessories are not covered by the warranty.

Note: The drawings in this document are for illustration only and may not match your particular model.
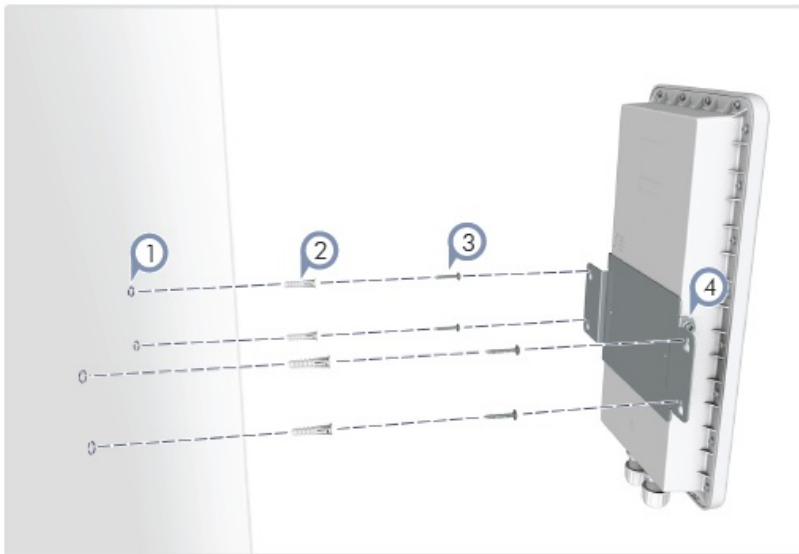
1. Mount the AP

a. Mounting on a Pole

1. Install the bracket onto the AP using the included four screws.
2. Thread the included steel hose clamps through the eyelets on the back of the

mounting bracket and then lightly fasten them around the pole. Both hose clamps must be used for pole mounting.

b. Mounting on a Wall

1. At the installation location on the wall, use the mounting plate to mark four holes for the wall plugs and screws.

2. Drill four holes for the wall plugs, and then insert the plugs and tap them flush with the wall surface.

3. Insert the four screws leaving at least 4.6 mm of clearance to install the AP.

4. Install the bracket onto the AP using the included four screws.

5. Slide the AP onto the screws until it snaps into its secured position.

2. Ground the AP
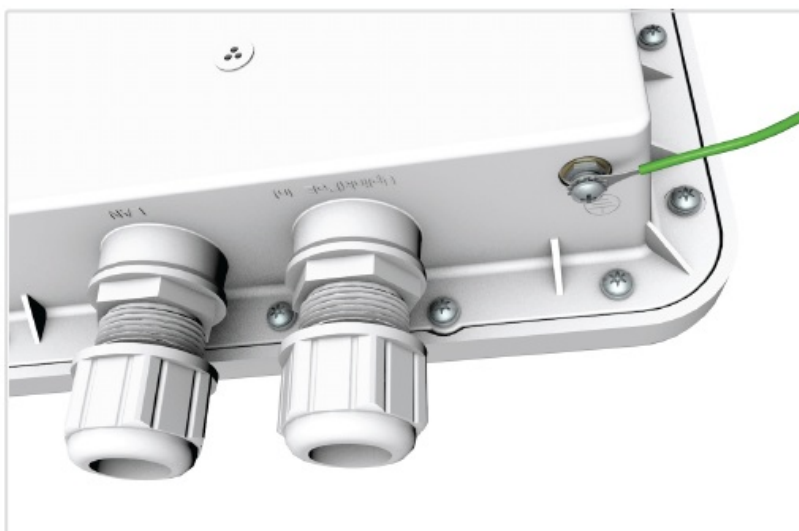
Ground the AP by connecting a ground wire to the grounding point on the device and to nearby good earth.

3. Connect Cables

Note: Port covers and cable glands should be tightened to a torque of 10 kgf.cm.

1. Connect Category 5e or better cable to the Uplink (PoE In) 2.5GBASE-T RJ-45 port. When connected to a PoE source, the Uplink (PoE In) port connection provides power to the unit.

2. (Optional) Connect a local LAN switch, computer or other device to the LAN 2.5GBASE-T RJ-45 port.

4. Check AP LEDs

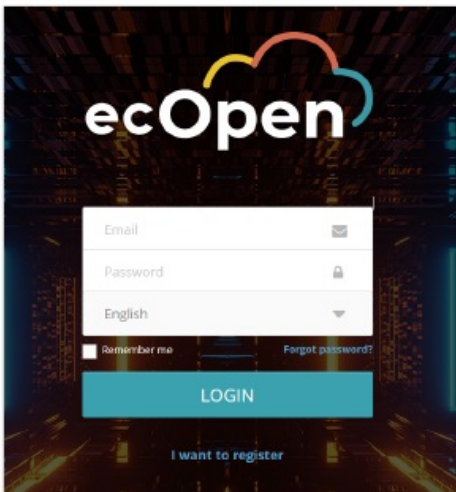Power LED must be on green for normal operation.

5. Initial Setup and AP Registration

There are two options for setting up the AP for your network:

- When the AP is first connected to the Internet through the

Uplink port, it is automatically redirected to ecOpen
(https://cloud.openwifi.ignitenet.com/). Enter the AP's MAC address and serial number
for device registration

By default, the AP is assigned an IP address through DHCP. If the AP cannot connect to
ecOpen, access the AP's web interface to make configuration changes (for example, to
change from DHCP to a static IP). See section "Connecting to the Web Interface".

**6. Connecting to the Web Interface**

Note that you can only connect to the AP's web interface when the AP is not connected
to the Internet.

Follow these steps to connect to the AP's web interface.

1. Connect a PC directly to the AP's LAN port.
2. Set the PC IP address to be on the same subnet as the AP LAN port default IP
address. (The PC address must start 192.168.1.x with subnet mask 255.255.255.0.)

3. Enter the AP's default IP address of 192.168.1.1 into the web browser address bar.

4. Log in to the web interface using the default user name "root" and password "openwifi".
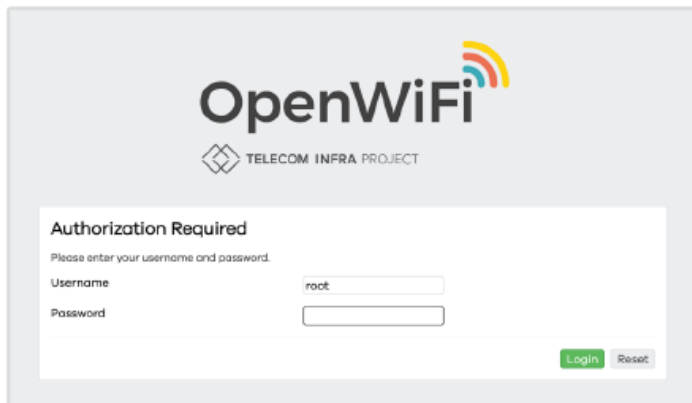
Note: The TIP OpenWiFi SDK default URL of the DigiCert certificate is set to ecOpen: (https://cloud.openwifi.ignitenet.com).

If you want to register the AP to your own TIP OpenWiFi SDK, contact oxherd@edge-core.com
to change the default URL

Safety and Regulatory Information

FCC Class B

This equipment has 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 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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

For products available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 23 cm between the radiator and your body.
Professional Installation Instructions

1. Installation personnel

This product is designed for specific applications and should be installed by qualified personnel who have knowledge of RF and its related regulations. A general user shall not attempt to install or modify the equipment configuration.

2. Installation location

To meet regulatory RF exposure requirements, this product shall be installed at a location where, during normal operations, the radiating antenna is at least 23 cm away from any nearby persons.

3. Installation procedure

Please refer to this equipment's user manual for the procedure details.

4. Warning

The installation position must be carefully selected so that the final output power does not exceed the limit set forth in relevant regulations. Violation of output power regulations could lead to serious federal penalties.

Warnings and Cautionary Messages

Warning: This product does not contain any serviceable user parts.

Warning: Installation and removal of the unit must be carried out by qualified personnel only.

Caution: Wear an anti-static wrist strap or take other suitable measures to prevent electrostatic discharge when handling this equipment.

Caution: Do not plug a phone jack connector in the RJ-45 port. This may damage this device.

Hardware Specifications

AP Chassis

- Size (WxDxH) 230 x 450 x 7 mm (9.06 x 17.72 x 2.76 in.)
- Weight 2.1 kg (4.63 lb)
- Temperature Operating: -30°C (-22°F) to 60°C (140°F)
- Storage: -40° C to 70° C (-40° F to 158° F)
- Humidity Operating: 5% to 95% (non-condensing)

Network Interfaces

- Ports Uplink (PoE In) RJ-45 Port: 2.5GBASE-T, PoE PD

- LAN RJ-45 Port: 2.5GBASE-T

- 2.4 GHz Radio IEEE 802.11b/g/n/ac/ax

- 5 GHz Radio IEEE 802.11a/n/ac/ax

- Radio Frequencies 2.4-2.4835 GHz

  - 5.15-5.25 GHz

  - 5.25-5.35 GHz

  - 5.47-5.85 GHz

  - 5.25-5.35 GHz (DFS)

  - 5.47-5.725 GHz (DFS)

Power Specifications

- PoE Input Power 25 W max

- 802.3at-compliant

- Regulatory Compliances

- Radio FCC CFR Title 47 Part 15 Subpart C Section 15.247

- FCC CFR Title 47 Part 15 Subpart E Section 15.407

- FCC CFR Title 47 Part 2.1091(MPE)

- Emissions FCC CFR Title 47 Part 15 Subpart B: 2023 Class B

Warranty Information and Technical Support

Registering your product enables you to receive a more efficient warranty service. Be sure to register at www.edge-core.com

Specifications

- Model: OAP103 (T)

- Wi-Fi Standard: Wi-Fi 6 Dual-Band

- Uplink Port: 2.5Gbps with 802.3at PoE support

- LAN Port: 2.5Gbps

FAQ

Q: What should I do if the Power LED is not green?

A: Check the power source and connections to ensure proper power supply to the device. If issues persist, contact customer support for assistance.

Q: How can I access the AP's web interface for configuration changes?

A: If the AP cannot connect for registration, access the AP's web interface to make configuration changes, such as switching from DHCP to a static IP. Refer to the user manual for detailed steps on accessing and configuring the web interface.

Documents / Resources

	[Edge-core OAP103 T Wi-Fi 6 Dual Band Enterprise Access Point](#) [[pdf](#)] User Guide HEDOAP103, oap103, OAP103 T Wi-Fi 6 Dual Band Enterprise Access Point, OAP103 T, Wi-Fi 6 Dual Band Enterprise Access Point, Dual Band Enterprise Access Point, Enterprise Access Point, Access Point, Point

References

- [User Manual](#)

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