

## Installing the ExtremeWiNG 802.11 a/ac+b/g/n Indoor AP7632 Access Point

### Overview of the AP7632

The AP7632 is an 802.11ac Wave 2 Access Point featuring dual 2x2:2 radios. The all-metal design of the AP supports high operating temperatures, external antennas, and flexible mounting options for wall mount, ceiling mount, beam or T-bar. The AP can be powered by 802.3af or by using a 12VDC wall brick.



**Note:** The AP7632 requires a minimum base firmware of WiNG 5.9.1.

The AP7632 model has the following features:

- Radios: 2 radios (2.4GHz and 5GHz); 1 IoT Radio (2.4 GHz)
- Console Port: RJ45
- One RJ45, 10/100/1000 Ethernet Port (LAN1) with PoE
- LEDs: 4 (see [Figure 2](#))
- One Reset button
- Power: PoE 802.3af; 12VDC power in connector (see [Table 1](#))
- Antennas:
  - Three **external** antennas (two dual band antennas and one IoT antenna)
  - Three RSPMA mount style antenna connectors
- External USB 2.0 port with features to support a locking module
- Safety Hangar provision
- Temperature:
  - -20 to +55°C ambient temperature anywhere
  - -20 to +65°C ambient temperature near sea level
- Enclosure: All metal - no plastic

In [Figure 1](#), the top image indicates the top view of AP7632 and the bottom one indicates the side view of AP7632.

Figure 1 Top and Side View of AP7632

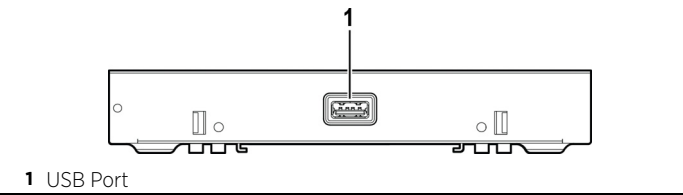
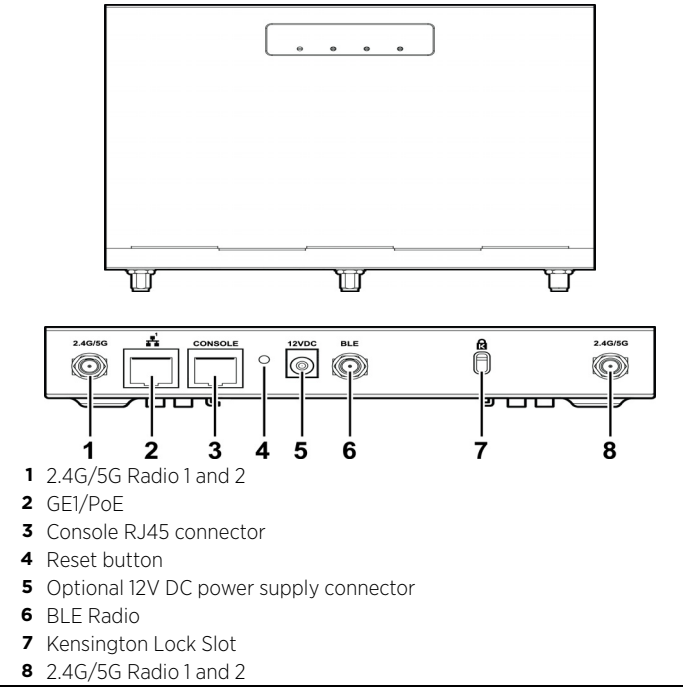


Table 1 shows ways to power the AP7632.

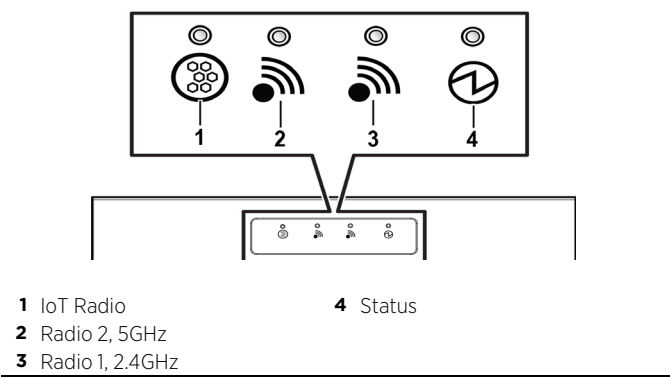
Table 1 Powering the AP7632

Power Source	Description
Power over Ethernet (PoE)	Power is provided through the RJ45 Ethernet port (GE1 port) to the right of the 12V DC port. This is the preferred method of powering the AP on ceiling and high wall installations.

Power Source	Description
External 12V DC power supply (optional)	The AP7632 can also be powered by an external DC power supply plugged into an AC source. Plug the supply's input jack into the DC-In port (callout 5 in <a href="#">Figure 1</a> ).

Figure 2 shows the LEDs on the front of the AP7632.

Figure 2 LEDs on AP Front Face



Green LEDs indicate 2G Wi-Fi Radio, Amber LEDs indicate 5.2G Wi-Fi Radio, and Blue LED indicates the IoT Radio. The Status LED is Green only during boot up and remains off during normal use.

For detailed installation information about the AP7632, see the *Extreme Networks WiNG AP7632 Installation Guide*.


### Verifying the AP7632 Box Contents

Verify the contents of the box and ensure that the following items are available:

Table 2 Contents of the AP7632 Box

Quantity	Item
1	AP7632 Quick Reference Guide
1	Mounting Bracket for 802.11ac Indoor AP assembled onto the AP
1	Cloud Quick Start Card
The following hardware is included:	
2	Phillips Pan-head wood screws
2	Screw-in anchors

## Mounting and Connecting the AP



**Electrical Hazard:** Only qualified personnel should perform installation procedures.

Use these instructions as guidelines for mounting and connecting the AP7632 easily and safely.

The AP7632 comes with a Mounting Bracket (ordering part #37201) that can be used to mount the AP on a flat surface. You can also purchase an optional flat metal indoor bracket (ordering part #37210) for easy installation.

You also have an option to purchase the optional adapter if you want to mount the AP on a suspended or drop ceiling.

For more information about installing the optional bracket and the adaptor, see the *Extreme Networks WiNG AP7632 Installation Guide*.

For installation videos of the AP, see [www.extremenetworks.com/support/](http://www.extremenetworks.com/support/)

### Mounting the AP on a Dry or Wood Wall/Solid Flat Ceiling


To install the AP on a dry wall or flat surface:

#### Option 1: Using the Main Bracket



**Note:** Remove the main bracket from the AP to use it as a template.

- 1 Use the main bracket as a template and mark the hole centers on the wall.

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- Note:** The four feet of the bracket must be horizontal and pointing to the right. The flat part of the large surface must be touching the wall.

- 2 Drill two holes 81mm (3.200”) apart from each other on the wall where you want to mount the AP.
- 3 Insert the screws through the bracket and into the holes. Use the screw-in anchors if needed.
- 4 Insert the Ethernet cable's RJ45 connector into the LAN1/GE1 port.
- 5 Slide the AP onto the bracket's four feet. Ensure that the AP is secured in place and tightened.

#### Option 2: Mounting the AP directly to the wall using 2 screws

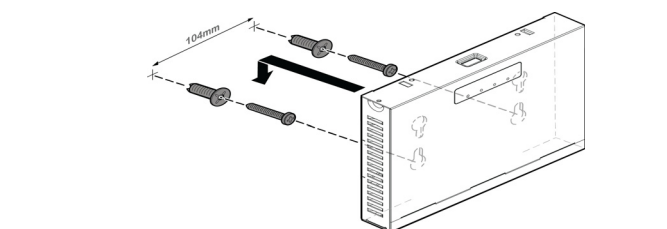
- 1 Remove the main bracket attached to the back of the AP.
- 2 Drill two holes 104mm (4.100”) apart from each other on the wall.
- 3 Insert the screws into the holes and use the screw-in anchors if needed.




**Note:** Leave 1/8” gap between the screw head and the wall.

- 4 Insert the Ethernet cable's RJ45 connector into the GE1 port ([Figure 1](#); side view). Attach the optional DC adaptor if there is no PoE on the Ethernet cable.
- 5 Insert the keyholes of the AP onto the screws and slide it down till it is firmly held by the screw heads. If the AP is loose, unmount the AP and decrease the distance between the screw head and the wall. Remount the AP.

Figure 3 Attaching AP to a Wall using 2 screws



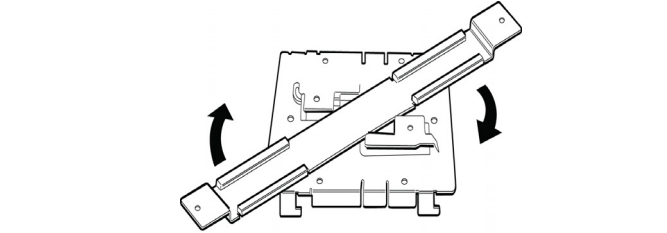
#### Option 3: Using an optional Flat Metal Indoor Bracket




**Note:** Mounting the AP to a flat ceiling/wall requires the optional Flat Metal Indoor Bracket (Purchasing Part #37210), which must be purchased separately.

- 1 Attach the Flat Metal Indoor bracket to the main bracket. Keep the adaptor to the center of the bracket, push and rotate it ([Figure 4](#)).
- 2 Hold the AP to the surface to which it needs to be attached and use the optional adapter's end holes as a template to mark the attachment holes.
- 3 Drill two holes on the solid surface (wall or ceiling) where you want to mount the AP.
- 4 Connect the LAN/Ethernet cable to the back of the AP.
- 5 Hold the AP, insert and tighten the 2 screws until you lock it into place.


Figure 4 Attaching the optional Flat Metal Indoor Bracket to the main bracket



#### Option 4: Using an optional Wall and Box bracket



**Note:** Mounting the AP to a flat ceiling/wall requires either the Main Bracket (Option 1), Flat Metal Indoor Bracket (Option 3), or the optional Wall and Box Bracket (Option 4 - purchasing part #30516), which must be purchased separately.



**Note:** The slot and lock cuts in the rear of the AP (visible when the main plate is removed) are used for mounting the Wall and Box bracket. The unlock tab on the bracket should be pointed up. In this position, the AP7632 can be mounted with the antennas facing upward or downward.


Remove the main bracket from the AP. Follow the procedure mentioned in *ExtremeWireless AP7632 Installation Guide* to mount the AP on a Wall and Box bracket.

### Mounting the AP to a Bracket on a Junction or Gang Box

To mount the AP to a Bracket on a Junction or Gang box, use the Wall and Box Bracket (needs to be purchased separately).

- 1 Remove the main bracket from the AP.
- 2 Follow the procedure mentioned in *ExtremeWireless AP7632 Installation Guide* to mount the AP on a Wall and Box bracket.

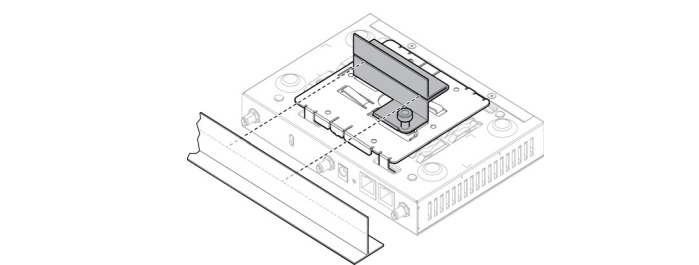
### Mounting the AP to a Suspended or Drop Ceiling



**Note:** Mounting the AP to a suspended or drop ceiling requires the optional adapter (Universal Mounting Kit for EWLAN APs; purchasing part # KT-135628-01), which must be purchased separately.

- 1 Attach the T-bar adaptor by pushing down the main bracket's angled locking tabs, pulling up on the T-bar adaptor's locking pin, and

- 3 simultaneously rotating the adaptor onto the Main Bracket until the locking pin clicks in place.
- 2 Slide the T-bar holder onto the T-bar and replace the tiles to hold the adaptor onto the T-bar.



- 3 Hold the AP and rock it back and forth to ensure that it is securely mounted.
- 4 Attach the Ethernet cable's RJ45 connector to the LAN1/GE1 port. The optional WS-MBI-DCMTR01 (purchasing part #30518) adaptor can also be used for T-bar installations without the mounting bracket. For detailed instructions, refer *ExtremeWireless AP7632 Installation Guide*.

### Connecting a Power Supply to the AP7632

If you need to power the AP7632 with an external 12V DC power supply, you can plug the power cord into the power connector (callout 5 in [Figure 1](#)) on the back of the AP. There is no wall mount for the 12V DC power supply. When the device is powered on, the power LED on the front face of the AP is lit. Refer to the *Extreme Networks WiNG AP7632 Installation Guide* for information about optional power supplies.

### LAN/Console Connections

The AP7632 has one GE1 (Ethernet) port and a Console port. Refer to [Figure 1](#) for the location of these ports. During administration and maintenance through the GE1 or Console, the AP must still have a power connection through either an Ethernet PoE cable or a DC power supply.

## Professional Installation Instruction

#### Installation personal

This product is designed for specific application and needs to be installed by a qualified personal who has RF and related rule knowledge. The general user shall not attempt to install or change the setting.

#### Installation location


The product shall be installed at a location where the radiating antenna can be kept 36 cm from nearby person in normal operation condition to meet regulatory RF exposure requirement.

#### External antenna

Use only the antennas which have been approved by the applicant. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power which may lead to the violation of FCC/IC limit and is prohibited.

#### Installation procedure

Please refer to user's manual for the detail.

**Warning:** Please carefully select the installation position and make sure that the final output power does not exceed the limit set force in relevant rules. The violation of the rule could lead to serious federal penalty.

### Instructions d'installation professionnelle Installation

Ce produit est destine a un usage specifique et doit etre installe par un personnel qualifie maitrisant les radiofrequences et les regles s'y rapportant. L'installation et les reglages ne doivent pas etre modifies par l'utilisateur final.

#### Emplacement d'installation


En usage normal, afin de respecter les exigences reglementaires concernant l'exposition aux radiofrequences, ce produit doit etre installe de facon a respecter une distance de 36 cm entre l'antenne emettrice et les personnes.

#### Antenn externe

Utiliser uniquement les antennes approuvees par le fabricant. L'utilisation d'autres antennes peut conduire a un niveau de rayonnement essentiel ou non essentiel depassant les niveaux limites definis par FCC/IC, ce qui est interdit.

#### Procedure d'installation

Consulter le manuel d'utilisation.

**Warning: Avertissement:** Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne depasse pas les limites en vigueur. La violation de cette regle peut conduire a de serieuses penalites federales.

