

meter

A1 Indoor Wi-Fi 7 Access Point User Manual



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Product Overview

Features

The A1 is a 2×2×2 indoor Wi-Fi 7 access point. Key features include:

- IEEE 802.11be and backward compatible to 11a/b/g/n/ac/ax
- 2×2 2.4 GHz Wi-Fi
- 2×2 5 GHz Wi-Fi
- 2×2 6 GHz Wi-Fi
- 1×1 2.4 GHz IoT
- MU-MIMO
- OFDMA
- Tx Beamforming
- Cloud controlled
- Gigabit power-over-ethernet (POE)
- Scanning radio for spectrum management

Interfaces

The A1 is equipped with a set of physical user interfaces:

1. LED status indicators
2. POE (RJ45) input for power and network connectivity
3. Reset button



LED Indicators



POE (RJ45)

Reset Button

Physical and Environmental Information

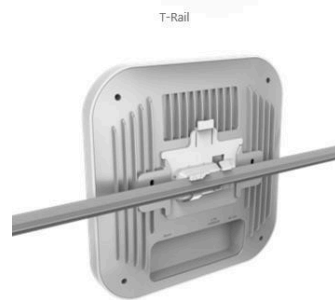
Power Source	PoE: compatible with 802.3af/at, 54Vdc/0.6A
Internal Antenna Gain Values (Peak Gain)	• 2.9 dBi 2.4 GHz antenna 1 • 4.7 dBi 2.4 GHz antenna 2 • 4.4 dBi IoT antenna • 5.3 dBi 5 GHz antenna 1 • 4.9 dBi 5 GHz antenna 2 • 4.9 dBi 6 GHz antenna 1 • 5.3 dBi 6 GHz antenna 2
Interface	• 1 x 10/100/1000/2500Mbps Ethernet Port with 802.3af/at PoE • 1 x reset button
Dimensions (W x D x H)	205×205×34 mm

Mounting	• Ceiling or wall mount • T-Rail mount • Rod mount • Pole mount
Environment	• Operating temperature: 0°C~40°C • Operating humidity: 0%~90% typical • Storage temperature: -40°C~70°C

Mounting and Installation

The A1 can be mounted in 4 different ways:

1. Ceiling mounted
2. Wall mounted
3. T-rail mounted
4. Poll mounted
5. Drop mounted



The following accessories can be used for wall and ceiling mounting:

1. Meter Access Point



2. Threaded Rod Mount



3. Ceiling/Wall Mounts



Fits 15mm
T-rail



Fits 25mm
T-rail

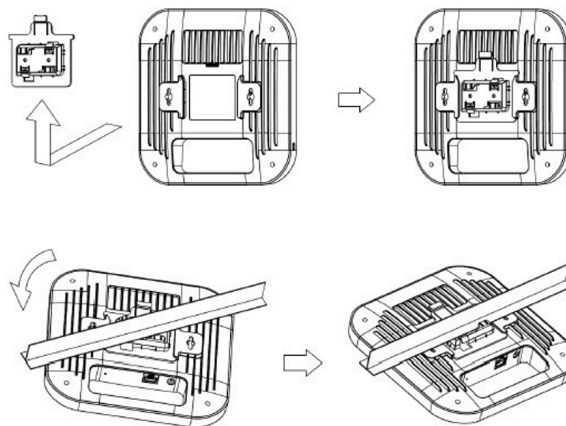
4. Screw Kit



Size: M3

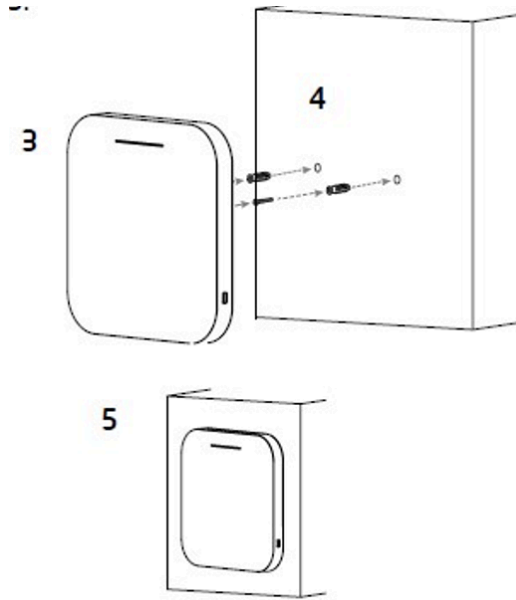
Ceiling t-rail Mounting

1. Slide the ceiling mount base into the slot of the Access Point.
2. Hold the Access Point with one hand to reach the other hand over the T-Rail sides of the bracket. Then hook the stationary end of the ceiling mount bracket onto the T-Rail.



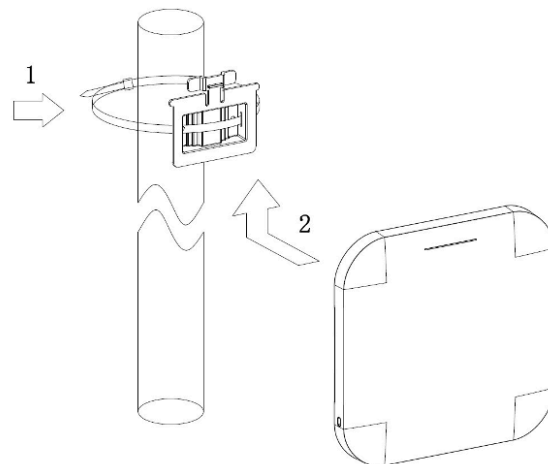
Wall Mounting

3. Continued, determine where the Access Point to be placed and mark location on the surface for the two mounting holes. Use the appropriate drill bit to drill two 8.1 mm diameter and 26mm depth holes in the markings and hammer the bolts into the openings.
4. Screw the anchors onto the holes until they are flush with the wall; screw the included screws into the anchors. Place the Access Point against the wall with the mounting screw heads.
5. Fix the AP against the wall with the mounting screws.

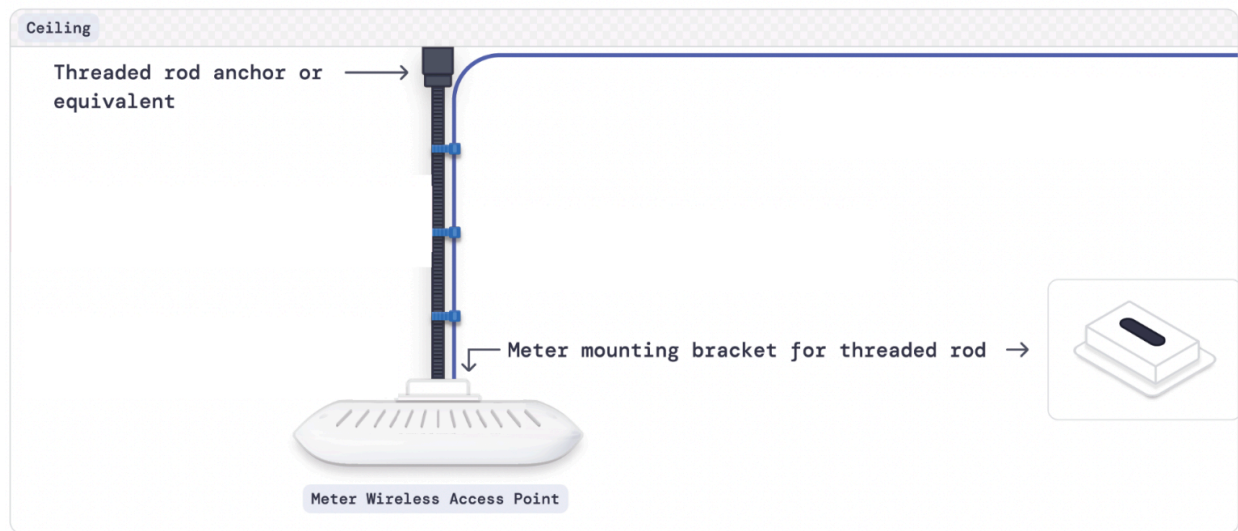


Pole Mount an Access Point

6. Slide the pole mount base into the slot of the Access Point.
7. Attaching the Straps to the Pole Mount Bracket.
8. Lock and tighten the strap to secure the pole mount bracket to the pole.



Drop mount with threaded rod



Installation Advisory

▲The equipment is to be connected only to PoE networks without routing to an outdoor environment.

▲Please contact Meter, Inc. certified dealers to obtain approved power adapters.

Regulatory Information

United States (FCC)

FCC Interference Statement

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.

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 a minimum distance 49 cm between the radiator and your body.

6 GHz Installation Restrictions

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The Country Code selection feature is disabled for products marketed to the US/Canada.

FCC regulations restrict the operation of this device to indoor use only.

This device is prohibited from being operated on oil platforms, cars, trains, boats, and aircraft, except it can be operated in large aircraft while flying above 10,000 feet in the 5.925-6.425 GHz band.

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.

Canada (ISED)

Industry Canada Conformity

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

Ce produit répond aux spécifications techniques applicables à l'innovation, Science et Développement économique Canada.

RSS-GEN 8.4 Canadian Compliance

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Industry Canada Caution Statement

Caution:

1. The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
3. For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and The high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Avertissement:

1. Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
2. Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limitation P.I.R.E.;

3. Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant la bande 5725-5850 MHz doit se conformer à la limitation P.I.R.E spécifiée pour l'exploitation point à point et non point à point, selon le cas. En outre, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

RSS-248 6 GHz RLAN Restrictions

Be advised:

- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Devices shall not be used on oil platforms.
- Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).

Additionally:

- Devices shall not be used on automobiles.
- Devices shall not be used on trains.
- Devices shall not be used on maritime vessels.
- Operation shall be limited to indoor use only.

Exigence d'installation

- Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes.
- Les dispositifs ne doivent pas être utilisés sur les plateformes de forage pétrolier.
- Les dispositifs ne doivent pas être utilisés dans les aéronefs, à l'exception des points d'accès intérieurs de faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande de 5 925 à 6 425 MHz, qui peuvent être utilisés dans les gros aéronefs tel qu'il est défini dans le Règlement de l'aviation canadien, et ce, lorsqu'ils volent à une altitude supérieure à 3 048 mètres (10 000 pieds).

De plus :

- Les appareils ne doivent pas être utilisés dans les automobiles.
- Les appareils ne doivent pas être utilisés dans les trains.
- Les appareils ne doivent pas être utilisés sur les navires.
- L'utilisation doit être limitée à un usage intérieur.

DFS Statement

DFS (Dynamic Frequency Selection) products that operate in the bands 5250- 5350 MHz, 5470-5600 MHz, and 5650-5725 MHz.

Les produits utilisant la technique d'atténuation DFS (sélection dynamique des fréquences) sur les bandes 5250- 5350 MHz, 5470-5600 MHz et 5650-5725 MHz.

Radiation Exposure Statement

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 28 cm between the radiator and your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 28 cm de distance entre la source de rayonnement et votre corps.

Manufacturer's Contact Information

Meter Inc.

548 Market St, PMB 22716
San Francisco, CA 94104 USA
hello@meter.com

For more compliance information, visit meter.com/compliance.

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