



FORTINET®



FortiBranchSASE 10F-WiFi

FBS-10F-WiFi

QuickStart Guide





May 09, 2024

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Package Contents



FortiBranchSASE 10F-WiFi

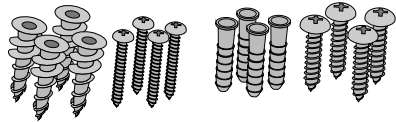
(Model: FBS-10F-WiFi)



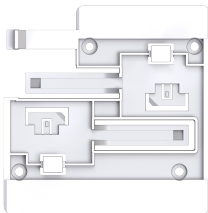
QuickStart Guide



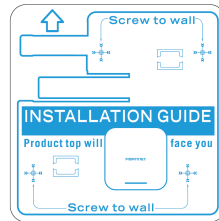
4 Rubber Feet



8 Mounting Screws with 8 Anchors



Wall-Mounting Bracket

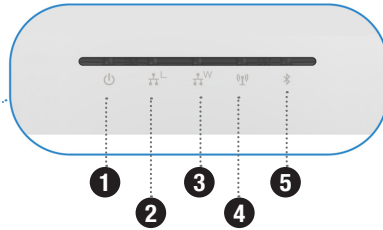


Drill Template Sticker





LED Indicators



1 Power (PoE 802.3at or 12V DC 3A)

Off: Device is off.

Green: Device is on.

Blinking Green: Device is booting up.

Orange: System is in error.

2 LAN/POE (1 Gbps 802.3at PoE RJ45)

Off: Link is off.

Green: Link is on.

Blinking Green: Transmitting at 1 Gbps.

Blinking Orange: Transmitting at 100 Mbps.

3 WAN (1 Gbps RJ45)

Off: Link is off.

Green: Link is on.

Blinking Green: Transmitting at 1 Gbps.

Blinking Orange: Transmitting at 100 Mbps.

4 WiFi (5GHz & 2.4GHz 2x2 MU-MIMO)

Off: Radios 1 and 2 are off.

Blue: Radio 1 is on.

Blinking Blue: Radio 1 is transmitting data.

Orange: Radio 2 is on.

Blinking Orange: Radio 2 is transmitting data.

Green: Radios 1 and 2 are on.

Blinking Green: Radios 1 and 2 are transmitting data.

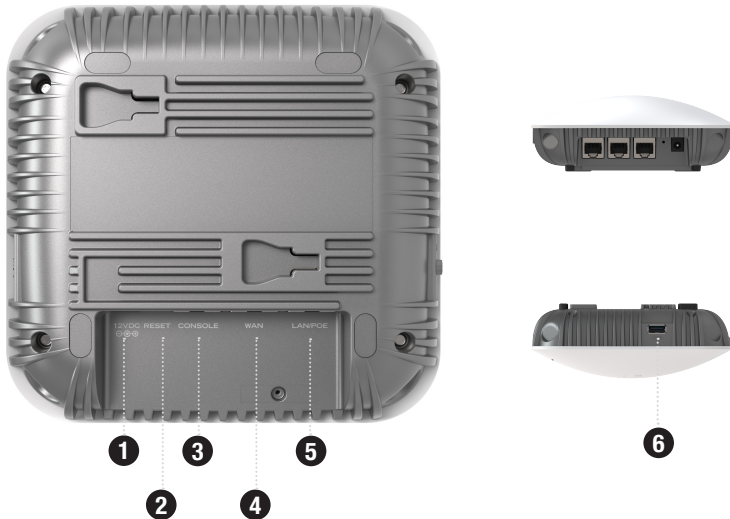
5 Bluetooth Low Energy (BLE)

Off: No BLE client.

Blue: Client is connected.



Interfaces

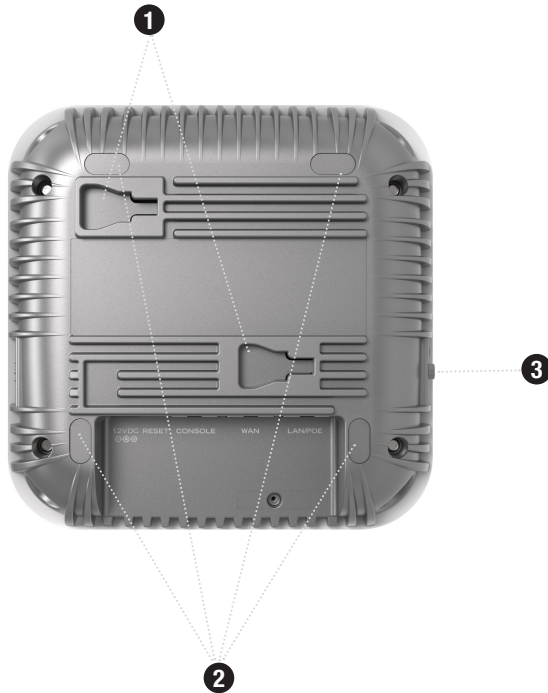


- 1** **OPTIONAL POWER (12V DC)** Optional 12V DC/3A adapter.
- 2** **RESET** resets the device.
- 3** **CONSOLE (RJ-45)** CLI management computer interface.
- 4** **WAN (RJ-45)** 1 Gbps Ethernet interface.
- 5** **LAN/POE (RJ-45)** 1 Gbps 802.3at PoE Ethernet interface.
- 6** **USB 3.0 (Type A)** software-enabled power through the GPIO, 5V/0.5A.





Mounting Slots and Rubber Feet

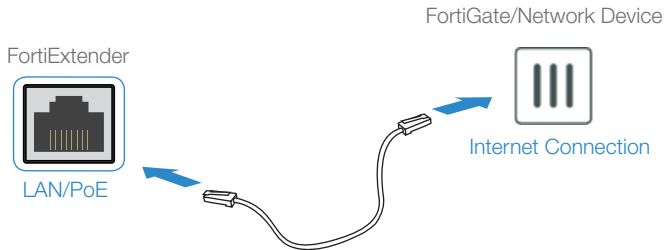


- ❶ **MOUNTING SLOTS** hang the unit to the wall.
- ❷ **RUBBER FEET** protect the unit and the desktop or flat surface.
- ❸ **KENSINGTON LOCK** secures the unit to a stationary object.





Basic Connection



1. Insert one end of the Ethernet cable into the LAN/PoE port on the FortiExtender device.
2. Insert the other end of the Ethernet cable into the PoE LAN port of your FortiGate appliance, and ensure that the FortiGate interface provides DHCP server service to issue an IP address to the FortiExtender when connected to LAN/POE of the FortiExtender.

Optional: If you are not using PoE, you can connect the device to a power outlet using power adapter.

Warning: This device complies with IEEE 802.3af/at PoE specification. Do not use any PoE injectors that are not IEEE 802.3at compliant as they may damage your device.





IP Configuration

After you have connected the FortiExtender network interfaces, the device automatically attempts to obtain an IP address from the DHCP server. If the device fails to obtain a DHCP IP, it will be set to the default IP address of 192.168.1.2/24.

Alternatively, FortiBranchSASE 10F-WiFi (Model: FBS-10F-WiFi) comes with a default wireless LAN management interface. You can log on to the interface at <http://192.168.200.99>, using the device's serial number as the network SSID. You can connect to it manually to access the device's GUI. It's a network with open security (no password). We strongly recommend that you change the WiFi LAN security mode right away.

To log in to the FortiExtender device, start the FortiExtender GUI, and in both the username and password fields, type admin and press the Enter key on your keyboard.

Note: If you are logging in to the device for the first time, you will be prompted to change the default password. We strongly recommend that you change the password right away.





Installation

The FortiBranchSASE 10F-WiFi (Model: FBS-10F-WiFi) device is designed to be placed on a desk or mounted on a wall using the provided Wall-Mounting Bracket.

Place on top of a desk or flat surface

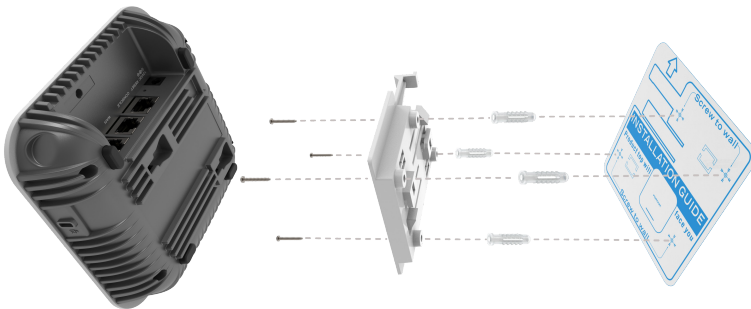
1. Attach the rubber feet to the four corners on the bottom of the unit.
2. Place the unit on a desk or flat surface.
3. Secure the unit in a place with a Kensington lock, if necessary. (Note: Kensington lock is not included in the product package.)





Mount on a wall

1. Peel off the drill template sticker, and stick it to a desired location on the wall.
2. Use the template to mark and drill the pilot holes.
3. Insert the anchors into the holes.
4. Insert the screws through the four mounting holes of the wall mounting bracket into the anchors on the wall and tighten.
5. Hold the device facing you, slide it into the wall mounting bracket from right to left until it locks.





Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 45°C.

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Caution: This equipment is to be used in a Network Environment 0 per IEC/ET 62101. This product is connected only to PoE networks without routing to the outside plant.

Attention: Ce matériel doit être utilisé dans un Environnement Réseau 0 par IEC/ET 62101. Ce produit est uniquement connecté aux réseaux PoE sans installation externe de routage.

This product is intended to be supplied by a Listed Direct Plug-In Power Unit marked LPS or Class 2 and rated 12V DC, 3A or by 54 Vdc from PoE source.

Le produit doit être alimenté par un bloc d'alimentation à courant continu homologué UL de 12V DC, 3A nominal marqué LPS ou Class 2 ou par une source d'alimentation par Ethernet de 54 Vdc (PoE).

Regulatory Notices

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of 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 B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it 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 or more 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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 21cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Operation of this device is restricted to indoor use only.

For operation within 5.15 – 5.25GHz frequency range, it is restricted to indoor environment.

This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Innovation, Science and Economic Development (ISED) – Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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

Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 24cm between the radiator & your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 24cm de distance entre la source de rayonnement et votre corps.





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.

Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

Caution: The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems.

Attention: Le dispositif de la bande 5150-5250 MHz est réservé à un usage intérieur afin de réduire l'interférence nuisible potentielle aux systèmes mobiles par satellite co-canal.

(iii) where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

(iii) lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

This radio transmitter (IC: 7280B-2317T096 / Model: FBS-10F-WiFi) has been approved by ISED to operate with the antenna type listed below with maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (IC: 7280B-2317T096 / Model: FBS-10F-WiFi) a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with IC multi-transmitter product procedures.

Cet appareil et son antenne (s) ne doit pas être co-localisés ou fonctionner en association avec une autre antenne ou transmetteur.

Antenna Type		PIFA	
Antenna Connector		I-pe(x)(MHz)	
Antenna No.		Gain (dBi)	
		2.4-2.4835GHz	5.180-5.825GHz
1	Chain0	4.9	5.2
2	Chain1	3.8	5.5
3	BLE	3.6	-

European Conformity (CE) – EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



The product transmits within the frequency ranges and less than or equal to the power listed below:

2412-2472 MHz less than 20 dBm
2402-2480 MHz less than 20 dBm
2405-2480 MHz less than 20 dBm
5180-5240 MHz less than 23 dBm
5260-5320 MHz less than 23 dBm *
5500-5700 MHz less than 30 dBm *
5745-5825 MHz less than 14 dBm

Note: * Only with DFS bands certification.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Simplified EU Declaration of Conformity

This declaration is only valid for Fortinet products (including, combinations of software, firmware and hardware) provided by Fortinet or Fortinet's authorized partners to the end customer directly for use within the EU or countries that have implemented the EU Directives and/or spectrum regulation. Any Fortinet products not obtained directly from Fortinet or Fortinet's authorized partners may not comply with EU Directives and Fortinet makes no assurances for such products.

Български

Този продукт е в съответствие с Директива 2014/53/ЕС.

Česky

Tento produkt je v souladu se směrnicí 2014/53/EU.

Dansk

Dette produkt er i overensstemmelse med direktiv 2014/53/EU.

Deutsch

Dieses Produkt entspricht der Richtlinie 2014/53/EU.

Eesti

See toode vastab direktiivile 2014/53/EL.

English

This product is in compliance with Directive 2014/53/EU.

Español

Este producto cumple con la Directiva 2014/53/UE.

Ελληνική

Το προϊόν αυτό συμμορφώνεται με την Οδηγία 2014/53/ΕΕ.

Français

Ce produit est conforme à la Directive 2014/53/UE.

Hrvatski

Ovaj proizvod je u skladu s Direktivom 2014/53/EU.



Italiano

Questo prodotto è conforme alla Direttiva 2014/53/EU.

Latviski

Šis produkts atbilst Direktīvai 2014/53/EU.

Lietuvių

Šis gaminyis atitinka direktyvą 2014/53/ES.

Malti

Dan iġi-prodott huwa konformi mad-Direttiva 2014/53/UE.

Magyar

Ez a termék megfelel a 2014/53/EU irányelvnek.

Nederlands

Dit product is in overeenstemming met Richtlijn 2014/53/EU.

Norsk

Dette produktet er i samsvar med direktiv 2014/53/EU.

Polski

Ten produkt jest zgodny z dyrektywą 2014/53/UE.

Português

Este produto está em conformidade com a Diretiva 2014/53/UE.

Rumunski

Acest produs este în conformitate cu Directiva 2014/53/UE.

Slovensky

Tento produkt je v súlade so smernicou 2014/53/EU.

Slovensko

Ta izdelek je v skladu z Direktivo 2014/53/EU.

Suomi

Tämä tuote on direktiivin 2014/53/EU mukainen.

Svenska

Denna produkt överensstämmer med direktiv 2014/53/EU.

Note: The full declaration of conformity for this product is available at the link below:

<https://site.fortinet.com/ProductRegulatory/EU>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in the following countries:

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK (NI)

Compliance with 2014/53/EU Radio Equipment Directive (RED)
In accordance with Article 10.8(a) and 10.8(b) of the RED, the following table provides information on the frequency bands used and the maximum RF transmit power of the product for sale in the EU:

Frequency Range (MHz)	Max. Transmit Power (dBm)
2402–2480 MHz	9.98 dBm
2405–2480 MHz	9.97 dBm

2412–2472 MHz	19.96 dBm
5180–5240 MHz	22.74 dBm
5260–5320 MHz	22.48 dBm
5500–5700 MHz	29.41 dBm
5745–5825 MHz	13.78 dBm

UK Conformity Assessed (UKCA) – United Kingdom

The product transmits within the frequency ranges and less than or equal to the power listed below:

2402–2480 MHz less than 20 dBm

2405–2480 MHz less than 20 dBm

2412–2472 MHz less than 20 dBm

5180–5240 MHz less than 23 dBm*

5260–5320 MHz less than 23 dBm*

5500–5700 MHz less than 30 dBm*

Note: *Only with DFS bands certification.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This product is in compliance with Statutory Instrument 1206 Radio Equipment Regulations 2017

The full Declaration of Conformity for this product is available in the link below:

<https://site.fortinet.com/ProductRegulatory/UK>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range in the following countries:

	UK (NI)
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National Telecommunications Commission (NCC) – Taiwan

低功率射頻器材技術規範3.8.2(109年7月1日)

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