

QuickStart Guide

FortiExtender 511G Series

FEX-511G, FEX-511G-WiFi

The Essentials

Secure your Network

Register at <https://support.fortinet.com> for the latest threat protection updates

Default Logins



<https://192.168.200.99>
Username: **admin**
Password: **leave blank**



<https://fortiedge.forticloud.com>
Username: **user-defined**
Password: **user-defined**

Fortinet Documents Library

For getting started documentation admin guides, up-to-date hardware manuals and reference resources, visit <https://docs.fortinet.com/>

FortiEdge Cloud

Experience simplified cloud deployment, zero-touch provisioning, centralized management, and automated reporting at <https://fortiedge.forticloud.com>

FortiSASE ThinEdge

Secure thin edge locations with enterprise-grade protection using FortiExtender as a FortiSASE LAN extension in micro-branch deployments. For details, visit <https://www.fortinet.com/products/sase>

Quick Start Guide Online

Please refer to the online version for the most current and up-to-date information about your device at

<https://docs.fortinet.com/document/fortiextender/hardware/fortiextender-511g-series-quick-start-guide>

You may also scan the QR code below.



Package Contents

FortiExtender 511G Series

FEX-511G, FEX-511G-WiFi



QuickStart Guide



FortiExtender Device
(FEX-511G or FEX-511G-WiFi)



4x 5G/LTE Antennas



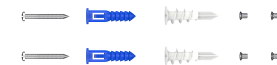
4x Rubber Feet



2x WiFi Antennas
(WiFi model only)



2x Wall Mount Brackets

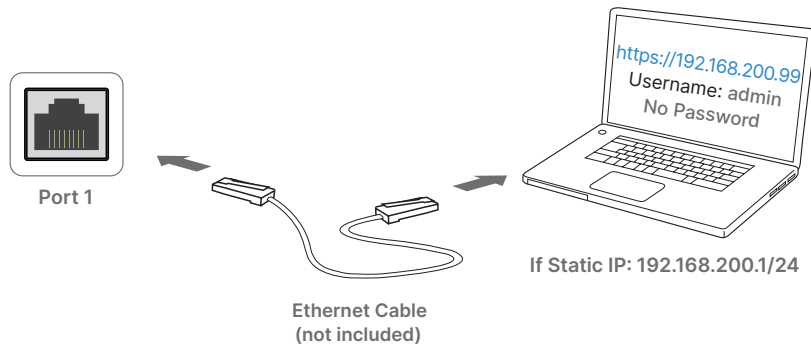


2x Wall Mount Screws
4x Wall Mount Anchors
4x Bracket Screws

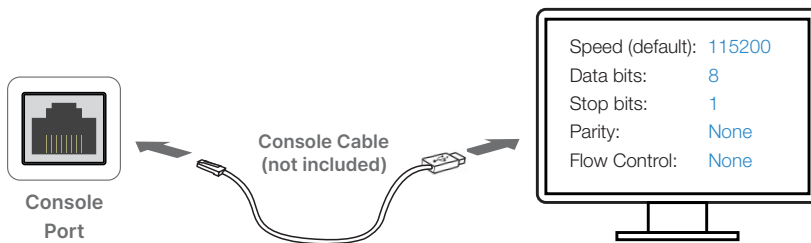
Setup

Power the device on Port 4 with a PoE injector, FortiGate PoE port or a FortiSwitch PoE port. The device can also be powered by 12VDC adapter (not included) on the DC socket on the back.

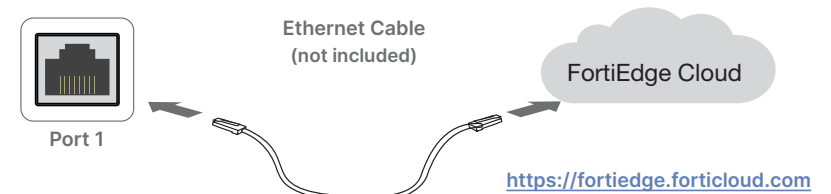
GUI



CLI



FortiEdge Cloud for FortiExtender



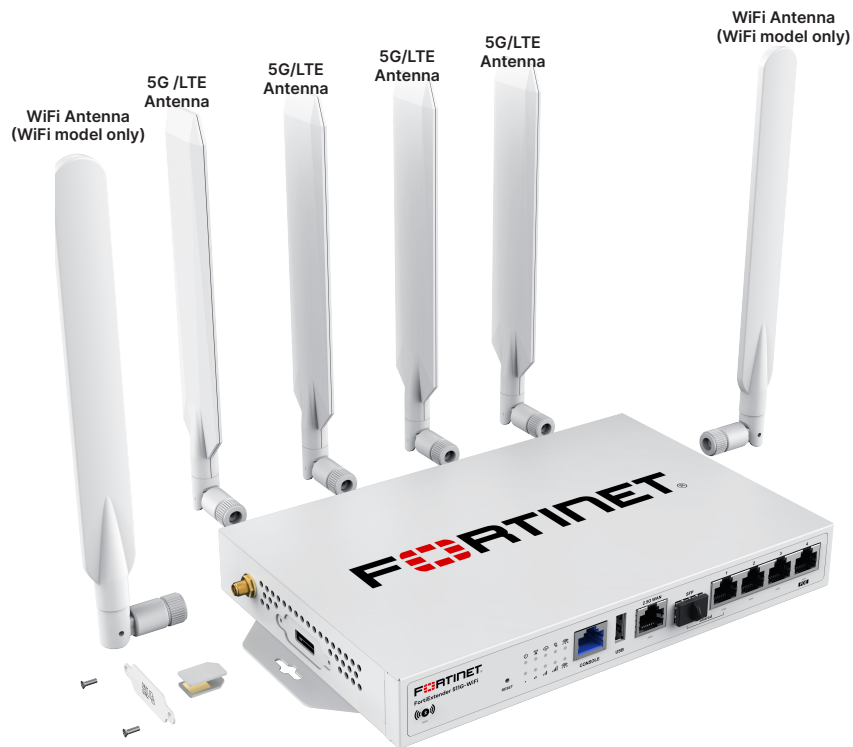
Note: Once registered and logged to FortiEdge Cloud, your device will automatically appear in **Inventory**.

FortiSASE LAN Extension

To configure your FortiExtender as a FortiSASE LAN Extension, refer to the Edge Device and Prerequisites sections in the FortiSASE Admin Guide at <https://docs.fortinet.com/product/fortisase>

Antenna and SIM Installation

- 1 Hand tighten the collars for each 5G/LTE antenna, then the two WiFi antennas (WiFi model only).
- 2 Insert two micro-SIMs (3FF). See the Admin Guide for configuration, <https://docs.fortinet.com/product/fortiextender/>



Wall Mounting

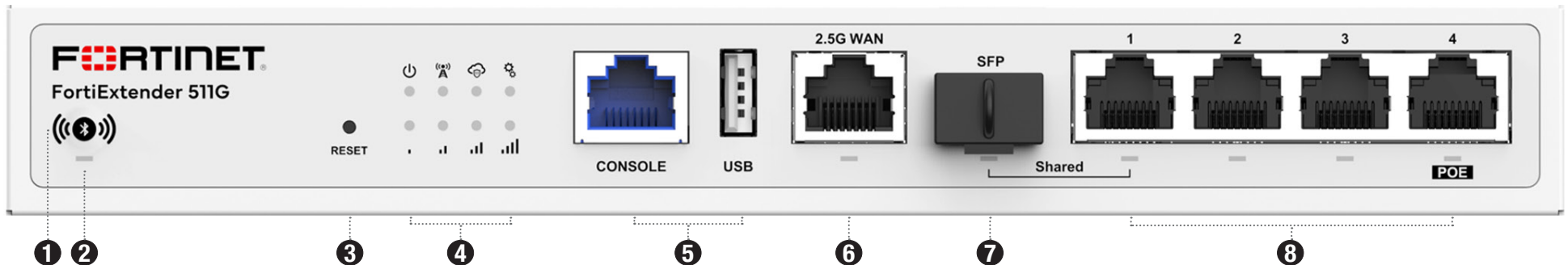
- 1 Secure the brackets using the provided screws.



- 2 Mark the anchor locations and drill holes.
- 3 Install the anchors and screws, then lock the device in place.



Front FEX-511G



1 BLE BUTTON

Press and hold for less than five seconds: Ignored
 Press and hold for more than five seconds: Turns on Bluetooth LED, and opens Bluetooth configuration window. (Note: the window closes if no Bluetooth configuration activity occurs within 30 seconds. Repressing the button has no effect while Bluetooth configuration is in progress or if it is completed within five minutes.)

2 BLE LED

- **Green:** Discovery mode
- **Flashing Blue:** Pairing
- **Blue:** Connected (LED will turn off after five seconds)
- **Off:** BLE is off

3 RESET Press and hold (>10secs) until the device reboots and restores factory settings

4 Power LED

- **Green:** Device is on
- **Flashing Green:** Booting up
- **Amber:** System error
- **Off:** Device is off

FortiSASE LAN Extension

- **Blue:** Connected
- **Slow Flashing Blue:** Connecting
- **Fast Flashing Blue:** Connection Error
- **Off:** Not connected

5G/LTE Carrier

- **Blue:** 5G connected
- **Green:** LTE connected
- **Slow Flashing Green/Blue:** Connecting to carrier
- **Fast Flashing Green/Blue:** SIM or firmware error
- **Off:** 5G/LTE not connected

Management

- **Blue:** FortiGate or FortiExplorer Cloud managed
- **Flashing Blue:** Connecting to a managed device
- **Off:** Stand-alone mode

Signal Strength Blue = 5G, Green = LTE

- **Four Bars:** >75%
- **Three Bars:** 50% to 75%
- **Two Bars:** 25% to 50%
- **One Bar:** <25%

5 CONSOLE Port (RJ45) CLI management

USB 2.0 Port (USB-A) for future use

6 2.5G WAN Port (RJ45)

- **Blue:** 2.5 Gbps connection
- **Green:** 1 Gbps or 100/10Mbps connection
- **Off:** Not connected

7 SFP Port (SFP) Port 1 Shared with SFP Port

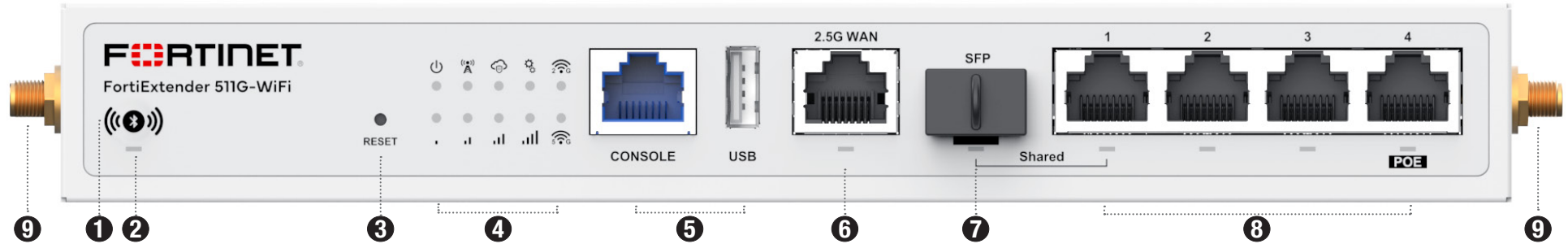
- **Green:** 1 Gbps connection
- **Flashing Green:** Data activity
- **Off:** Not connected

8 Ports 1 to 4 (RJ45) Port 1 Shared with SFP Port

- **Green:** 1 Gbps connection
- **Flashing Green:** 1 Gbps data activity
- **Amber:** 100/10 Mbps connection
- **Flashing Amber:** 100/10 Mbps connection
- **Off:** Not connected

POE Port 4 PoE PD 802.3at (25.5W)

Front FEX-511G-WiFi



1 BLE BUTTON

Press and hold for less than five seconds: Ignored

Press and hold for more than five seconds: Turns on Bluetooth LED, and opens Bluetooth configuration window. (Note: the window closes if no Bluetooth configuration activity occurs within 30 seconds. Repressing the button has no effect while Bluetooth configuration is in progress or if it is completed within five minutes.)

2 BLE

Green: Discovery mode

Flashing Blue: Pairing

Blue: Connected (LED will turn off after five seconds)

Off: BLE is off

3 RESET Press and hold (>10secs) until the device reboots and restores factory settings

4 Power LED

Green: Device is on

Flashing Green: Booting up

Amber: System error

Off: Device is off

FortiSASE LAN Extension

Blue: Connected

Slow Flashing Blue: Connecting

Fast Flashing Blue: Connection Error

Off: Not connected

Signal Strength

Blue = 5G, Green = LTE

Four Bars: >75%

Three Bars: 50% to 75%

Two Bars: 25% to 50%

One Bar: <25%

5G/LTE Carrier

Blue: 5G connected

Green: LTE connected

Slow Flashing Green/Blue: Connecting to carrier

Fast Flashing Green/Blue: SIM or firmware error

Off: 5G/LTE not connected

Management

Blue: FortiGate or FortiExplorer Cloud managed

Flashing Blue: Connecting to a managed device

Off: Stand-alone mode

2.4G WiFi

Blue: WiFi WAN connected

Green: WiFi LAN connected

Off: WiFi not connected

5G WiFi

Blue: WiFi WAN connected

Green: WiFi LAN connected

Off: WiFi not connected

5 CONSOLE Port (RJ45) CLI management

USB 2.0 Port (USB-A) for future use

6 2.5G WAN Port (RJ45)

Blue: 2.5 Gbps connection

Green: 1 Gbps or 100/10Mbps connection

Off: Not connected

7 SFP Port (SFP) Port 1 Shared with SFP Port

Green: 1 Gbps connection

Flashing Green: Data activity

Off: Not connected

8 Ports 1 to 4 (RJ45) Port 1 Shared with SFP Port

Green: 1 Gbps connection

Flashing Green: 1 Gbps data activity

Amber: 100/10 Mbps connection

Flashing Amber: 100/10 Mbps connection

Off: Not connected

POE Port 4 PoE PD 802.3at (25.5W)

9 WiFi Antenna Connectors x2 (RP-SMA)

Rear FEX-511G Series



1 WiFi Antenna Connectors x2 (RP-SMA) WiFi model only

2 5G/LTE Antenna Connectors x4 (SMA)

3 Grounding Connection (Optional)

4 Power Input (Optional) 12VDC/2A adapter

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°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 TR 62102. 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 TR 62102. 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 12 Vdc, minimum 2A or by 54Vdc from PoE source.

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

Grounding — To prevent damage to your equipment, connections that enter from outside the building should pass through a lightning / surge protector, and be properly grounded. Use an electrostatic discharge workstation (ESD) and/or wear an anti-static wrist strap while you work. In addition to the grounding terminal of the plug, on the back panel, there is another, separate terminal for earthing.

Mise à la terre — Pour éviter d'endommager votre matériel, assurez-vous que les branchements qui entrent à partir de l'extérieur du bâtiment passent par un parafoudre / parasurtenseur et sont correctement mis à la terre. Utilisez un poste de travail de décharge électrostatique (ESD) et / ou portez un bracelet anti-statique lorsque vous travaillez. Ce produit possède une borne de mise à la terre qui est prévu à l'arrière du produit, à ceci s'ajoute la mise à la terre de la prise.

This product has a separate protective earthing terminal provided on the back of the product in addition to the grounding terminal of the attachment plug. This separate protective earthing terminal must be permanently connected to earth with a green with yellow stripe conductor minimum size # 22AWG and the connection is to be installed by a qualified service personnel.

Ce produit a une borne de mise à la terre séparée située à l'arrière de l'appareil, en plus de la borne de mise à la terre de la fiche de raccordement. Cette borne de mise à la terre séparée doit être connectée en permanence à la terre avec un conducteur vert avec la taille bande jaune de minimum # 22 AWG et la connexion doit être installée par un personnel qualifié.

Regulatory Notices

Federal Communication Commission (FCC) – USA

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 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.

FEX-511G

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FEX-511G-WIFI

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

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

Innovation, Science and Economic Development (ISED) – 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.

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

Pour les produits disponibles sur le marché des États-Unis/Canada, seuls les canaux 1 à 11 peuvent être utilisés. La sélection d'autres canaux n'est pas possible.

FEX-511G

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and 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 20 cm de distance entre la source de rayonnement et votre corps.

FEX-511G-WIFI

This equipment complies with ISED 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.

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 28 cm 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 appareils 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.

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and

Le gain maximal d'antenne permis pour les appareils utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

The 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.

Les angles d'inclinaison maximaux nécessaires pour rester conformes à l'exigence du masque d'élévation de la p.i.r.e. énoncée à la section 6.2.2(3) doivent être clairement indiqués.

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: L'appareil destiné à la bande 5150-5250 MHz est uniquement conçu pour un usage intérieur afin de réduire les risques d'interférences nuisibles avec les systèmes satellites mobiles utilisant la même fréquence.

Caution: The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and the maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.

Attention: Le gain maximal d'antenne permis pour les appareils utilisant les bandes 5 250-5 350 MHz et 5 470-5 725 MHz doit se conformer à la limite de p.i.r.e.; le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5 725-5 825 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.

This radio transmitter (**IC: 7280B-240702, model: FEX-511G**) has been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type 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.

Ce transmetteur radio (**IC: 7280B-240702, modèle: FEX-511G**) a été approuvé par ISED pour fonctionner avec les types d'antennes énumérés ci-dessous, chacun avec le gain maximal admissible et l'impédance d'antenne requise spécifiés pour chaque type. Les types d'antennes ne figurant pas dans cette liste, ou ayant un gain supérieur au gain maximal indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.

This radio transmitter (**IC: 7280B-240703, model: FEX-511G-WIFI**) has been approved by ISED to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type 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.

Ce transmetteur radio (**IC: 7280B-240703, modèle: FEX-511G-WIFI**) a été approuvé par ISED pour fonctionner avec les types d'antennes énumérés ci-dessous, chacun avec le gain maximal admissible et l'impédance d'antenne requise spécifiés pour chaque type. Les types d'antennes ne figurant pas dans cette liste, ou ayant un gain supérieur au gain maximal indiqué pour ce type, sont strictement interdits pour une utilisation avec cet appareil.

Under ISED regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by ISED. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotopically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'ISED, cet émetteur radio peut fonctionner seulement avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par ISED. Dans le but de réduire les risques de brouillage radioélectrique aux autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication réussie.

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 (ses) antenne(s) ne doivent pas être installés ou utilisés conjointement avec une autre antenne ou un autre émetteur, sauf conformément aux procédures de produit multi-émetteurs de l'IC.

Antenna No.	Manufacturer	Model	Antenna Type	Connector	Antenna Peak Gain (dBi)	
					2.4 GHz	5GHz
1*	INPAQ TECHNOLOGY CO., LTD	RFDPA222200SBLB801	Dipole	RP-SMA	3.31dBi (WLAN)	4.84dBi (WLAN)
2*	INPAQ TECHNOLOGY CO., LTD	RFDPA222200SBLB801	Dipole	RP-SMA	3.31dBi (WLAN)	4.84dBi (WLAN)
3	RFLINK	U00T02S000N05272	PCB	IPEX	3.57 dBi (BLE)	

Note: * Only for model FEX-511G-WiFi

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.



FEX-511G and FEX-511G-WiFi:

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

Simplified EU Declaration of Conformity

Hereby, Fortinet, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://site.fortinet.com/ProductRegulatory/EU>.

Български

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

Česky

Tento produkt je v souladu se směrnici 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 gaminyš atitinka direktyvą 2014/53/ES.

Malti

Dan il-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/EÚ.

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.

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	

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:

Radio	Frequency Range (MHz)	Transmit Power
Bluetooth	2402-2480MHz	Less than 10 dBm (EIRP)
WLAN**	2412-2472MHz	Less than 20 dBm (EIRP)
	5180-5240MHz	Less than 23 dBm (EIRP)
	5260-5320MHz	Less than 23 dBm (EIRP)*
	5500-5700MHz	Less than 30 dBm (EIRP)*
	5745-5825MHz	Less than 14 dBm (EIRP)
WCDMA	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink)	23.5 dBm (Conducted)
LTE	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 3: 1710-1785MHz(Uplink); 1805-1880MHz(Downlink) Band 7: 2500-2570MHz(Uplink); 2620-2690MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink) Band 20: 832-862MHz(Uplink); 791-821MHz(Downlink) Band 28: 703-748MHz(Uplink); 758-803MHz(Downlink) Band 32: 1452-1496 MHz (Downlink) Band 34: 2010-2025MHz Band 38: 2570-2620MHz Band 40: 2300-2400MHz	23 dBm (Conducted)
	Band 41: 2496-2690MHz Band 42: 3400-3600MHz Band 43: 3600-3800MHz	25 dBm (Conducted)
5G NR	n1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) n3: 1710-1785MHz(Uplink); 1805-1880MHz(Downlink) n7: 2500-2570MHz(Uplink); 2620-2690MHz(Downlink) n8: 880-915MHz(Uplink);925-960MHz(Downlink) n20: 832-862MHz(Uplink); 791-821MHz(Downlink) n28: 703-748MHz(Uplink); 758-803MHz(Downlink) n38: 2570-2620MHz n40: 2300-2400MHz	24 dBm (Conducted)
	n41: 2496-2690MHz n77: 3300-4200MHz n78: 3300-3800MHz	26 dBm (Conducted)

Note: *Only with DFS bands certification. **Only for model FEX-511G-WiFi.

UK Conformity Assessed (UKCA) – United Kingdom

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

Standard	Frequency Range (MHz)	Transmit Power
Bluetooth	2402-2480MHz	Less than 10 dBm (EIRP)
WLAN**	2412-2472MHz	Less than 20 dBm (EIRP)
	5180-5240MHz	Less than 23 dBm (EIRP)
	5260-5320MHz	Less than 23 dBm (EIRP)*
	5500-5700MHz	Less than 30 dBm (EIRP)*
	5745-5825MHz	Less than 14 dBm (EIRP)
WCDMA	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink)	23.5 dBm (Conducted)
LTE	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 3: 1710-1785MHz(Uplink); 1805-1880MHz(Downlink) Band 7: 2500-2570MHz(Uplink); 2620-2690MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink) Band 20: 832-862MHz(Uplink); 791-821MHz(Downlink) Band 28: 703-748MHz(Uplink); 758-803MHz(Downlink) Band 32: 1452-1496 MHz (Downlink) Band 34: 2010-2025MHz Band 38: 2570-2620MHz Band 40: 2300-2400MHz	23 dBm (Conducted)
	Band 41: 2496-2690MHz Band 42: 3400-3600MHz Band 43: 3600-3800MHz	25 dBm (Conducted)
5G NR	n1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) n3: 1710-1785MHz(Uplink); 1805-1880MHz(Downlink) n7: 2500-2570MHz(Uplink); 2620-2690MHz(Downlink) n8: 880-915MHz(Uplink);925-960MHz(Downlink) n20: 832-862MHz(Uplink); 791-821MHz(Downlink) n28: 703-748MHz(Uplink); 758-803MHz(Downlink) n38: 2570-2620MHz n40: 2300-2400MHz	24 dBm (Conducted)
	n41: 2496-2690MHz n77: 3300-4200MHz n78: 3300-3800MHz	26 dBm (Conducted)
Note: *Only with DFS bands certification. **Only for model FEX-511G-WiFi.		

FEX-511G and FEX-511G-WiFi

This equipment should be installed and operated with minimum distance 20 cm between the radiator and 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:



National Telecommunications Commission (NCC) – Taiwan

NCC警語

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

使用此產品時應避免影響附近雷達系統之操作。
減少電磁波影響，請妥適使用

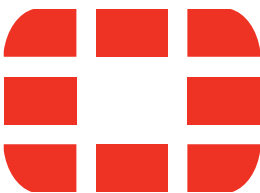
電磁波曝露量MPE標準值1mW/cm²，送測產品實測值為：0.279081 mW/cm²，建議使用時至少距 人體 20 cm

限用物質含有情況表 (RoHS Table) 請到以下 網址下載：
<https://www.fortinet.com/bsmi>

英屬蓋曼群島商防特網股份有限公司台灣分公司
地址：台北市內湖區行愛路176號2樓
電話：(02) 27961666

Agência Nacional de Telecomunicações (ANATEL) – Brazil

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da ANATEL – www.gov.br/anatel.



June 8, 2026

Copyright © 2026 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's SVP Legal and above, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

For Product License Agreement / EULA and Warranty Terms, visit <https://www.fortinet.com/content/dam/fortinet/assets/legal/EULA.pdf>

FEX-511G-Series-QSG-20260608