



FORTINET

QuickStart Guide

FortiExtender 101G

FEX-101G



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>



FortiExplorer Go

Rapidly provision, deploy, and manage your Fortinet Security Fabric Platform, free on iOS and Android: <https://docs.fortinet.com/product/fortiexplorer-go/>





Package Contents

FortiExtender 101G FEX-101G



QuickStart Guide



Drill Template Sticker



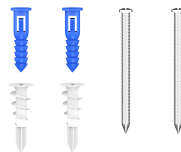
FortiExtender Device
(FEX-101G)



3x LTE Antennas



4x Rubber Feet



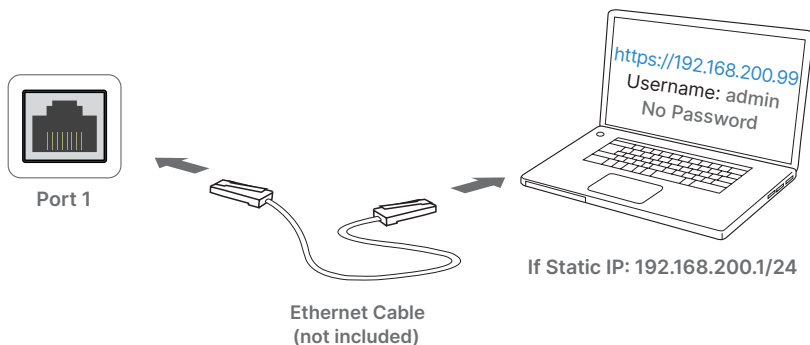
2x Wall Mount Screws
4x Wall Mount Anchors



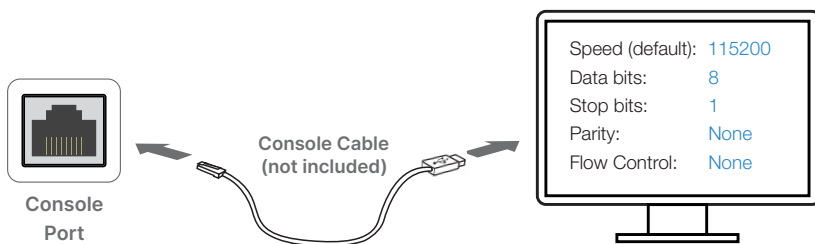
Setup

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.

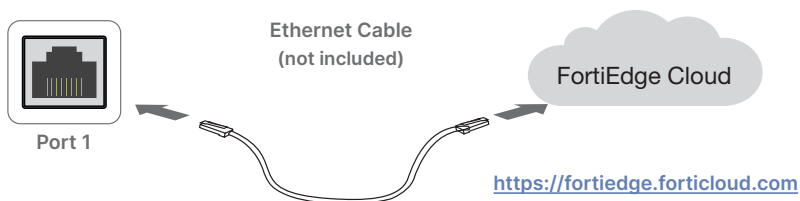
GUI



CLI



FortiEdge Cloud



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>



Antennas and SIMs Installation

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



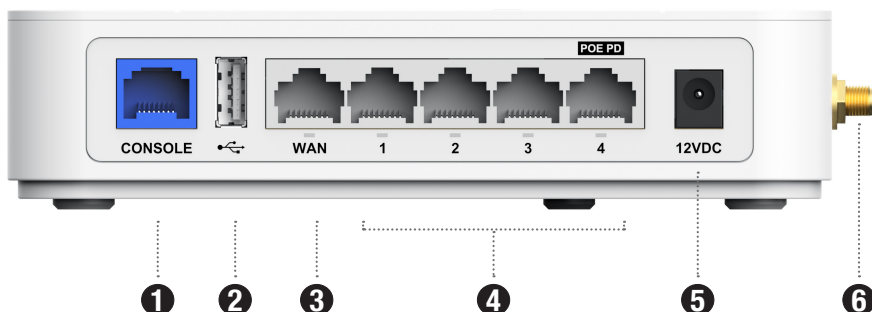


Wall Mounting

- 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



FEX-101G Right View



1 CONSOLE Port (RJ45)

CLI management

2 USB 2.0 Port

3 WAN Port (RJ45) and LED

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

4 LAN Ports 1 to 4 (RJ45) and LEDs

- 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 802.3af/at

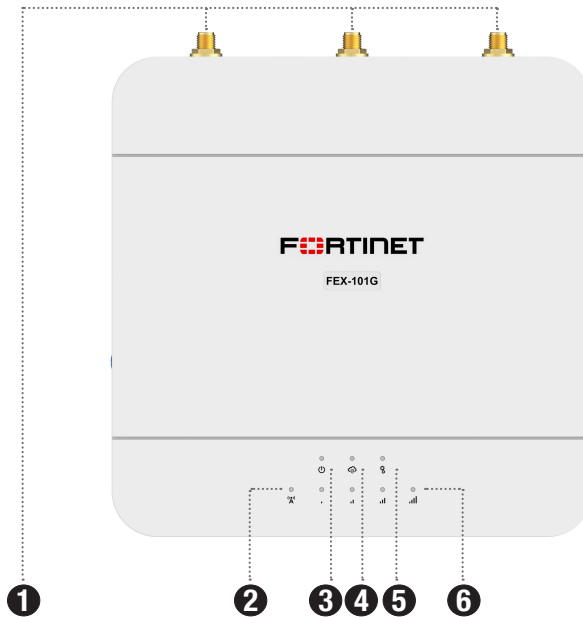
5 12VDC/2.5A Input (optional)

(use 12VDC/2.5A power adapter with ID 2.1 mm plug)

6 LTE Antenna Connectors x3



FEX-101G Top View



1 LTE Antenna Connectors x3

2 LTE Carrier

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

3 Power LED

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

4 FortiSASE LAN Extension

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

5 Management

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

6 Signal Strength **Green = LTE**

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



FEX-101G Left View



1 LTE Antenna Connectors x3

2 SIM Slot Cover for SIM Card1 and SIM Card2

3 Bluetooth Low Energy (BLE) Button and LED

 **Green:** Discovery mode

 **Flashing Blue:** Pairing

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

 **Off:** BLE is off

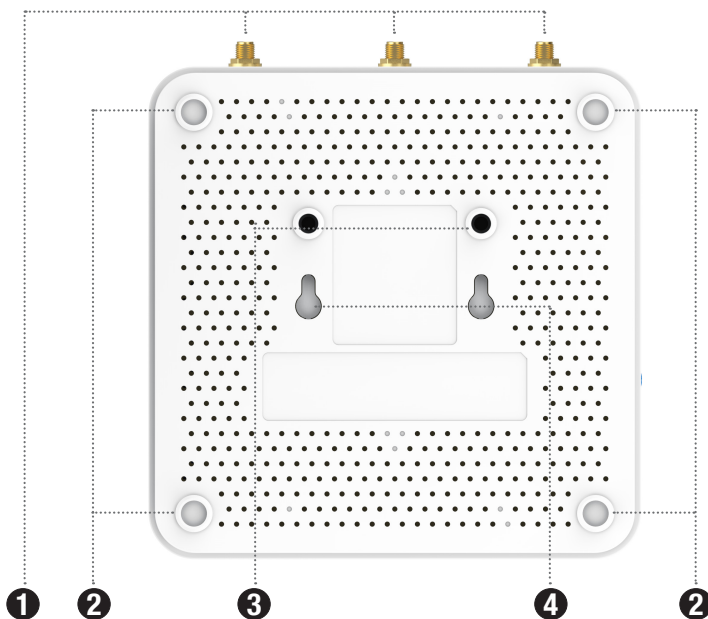
4 Reset/Default Button

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





FEX-101G Bottom View



- ❶ LTE Antenna Connectors x3
- ❷ Rubber Feet Grooves x4
- ❸ Wall Mounting Holes x2
- ❹ Wall Hanging Slots x2





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 IECTR 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 IECTR 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 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 nominal marqué LPS ou Class 2 ou par une source d'alimentation par Ethernet de 54Vdc (PoE).





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

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

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.

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

This radio transmitter (IC: 7280B-250501) 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.

Le présent émetteur radio (IC: 7280B-250501) a été approuvé par ISED pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou 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 fonctionnement en association avec une autre antenne ou transmetteur.

Antenna No.	Manufacturer	Model	Antenna Type	Connector	Antenna Peak Gain
1	RFLINK	U00T02S000N07587	PCB	IPEX	3.74 dBi for BLE

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.



This equipment should be installed and operated with minimum distance 20 cm 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.

Lietuviai

Šis gaminys 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.

Note: The full declaration of conformity for this product is available at the link below:
<https://site.fortinet.com/ProductRegulatory/EU>





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)
WCDMA	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink)	24 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 38: 2570-2620MHz Band 40: 2300-2400MHz Band 42: 3400-3600MHz Band 43: 3600-3800MHz	23 dBm (Conducted)

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)
WCDMA	Band 1: 1920-1980MHz(Uplink); 2110-2170MHz(Downlink) Band 8: 880-915MHz(Uplink);925-960MHz(Downlink)	24 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 38: 2570-2620MHz Band 40: 2300-2400MHz Band 42: 3400-3600MHz Band 43: 3600-3800MHz	23 dBm (Conducted)

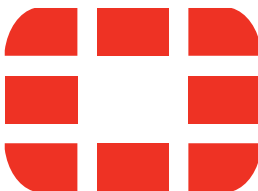
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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>





June 3, 2025

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