Manuals+ — User Manuals Simplified.

FortiGate 50G SFP
Transceiver Module
Device Setup

FORTINET FortiGate 50G SFP Transceiver Module Device Setup User Guide

Contents

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The Essentials

FortiCare
Register your device to activate FortiCare Support at **https://support.fortinet.com**.

GUI

1. Connect Port 1 to an Ethernet port or USB-RJ45 adapter on your computer using the provided Ethernet cable.
2. Open a browser to **https://192.168.1.99**

CLI

1. Connect a console cable (not included) to the Console Port
2. Open a Terminal app using 9600-8-N-1

Default Login

https://192.168.1.99
Username: admin
Password: leave blank

Fortinet Documents Library

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

FortiGate Cloud
Experience simplified cloud provisioning, security analytics, remote access, hosted log retention, and reporting at **https://fortigate.forticloud.com**, Forti Explorer 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

FortiGate 50G SFP
FG-50G-SFP

1x FortiGate Device

1x QuickStart Guide

3x AC Adapter Plugs
(US, EU, UK)

1x DC Power Adapter

Setup

GET IT ON
Google Play

Download on the
App Store

Install
FortiExplorer Go

Enable
Bluetooth

Follow the on-screen
instructions

FortiExplorer Go

GET IT ON
Google Play

Download on the
App Store

GU
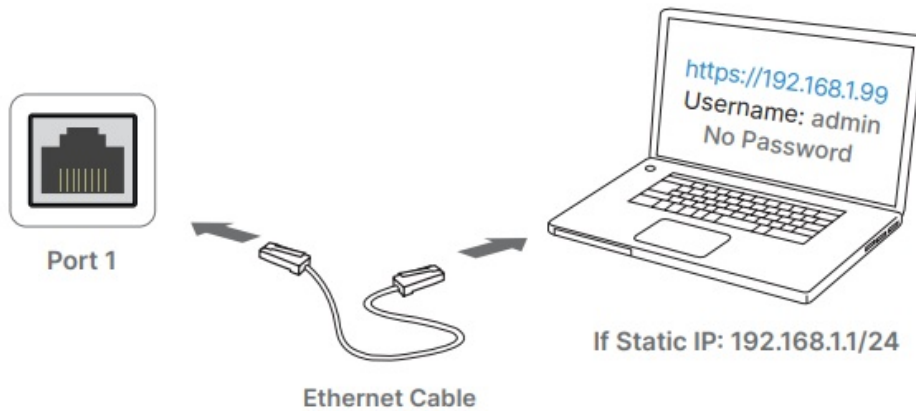
CLI
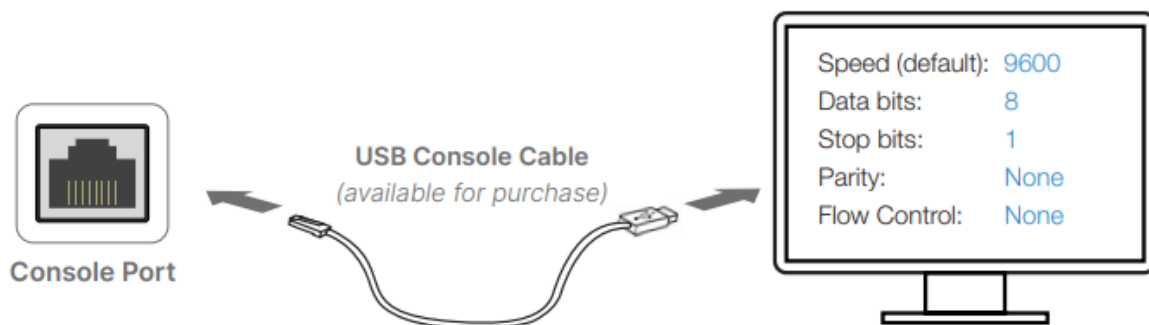
FortiGate Cloud

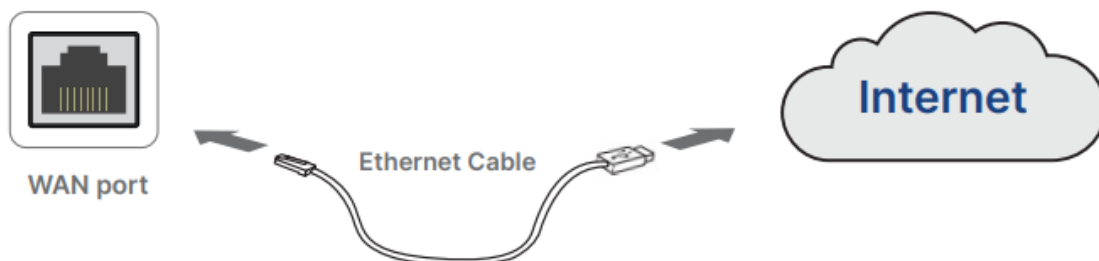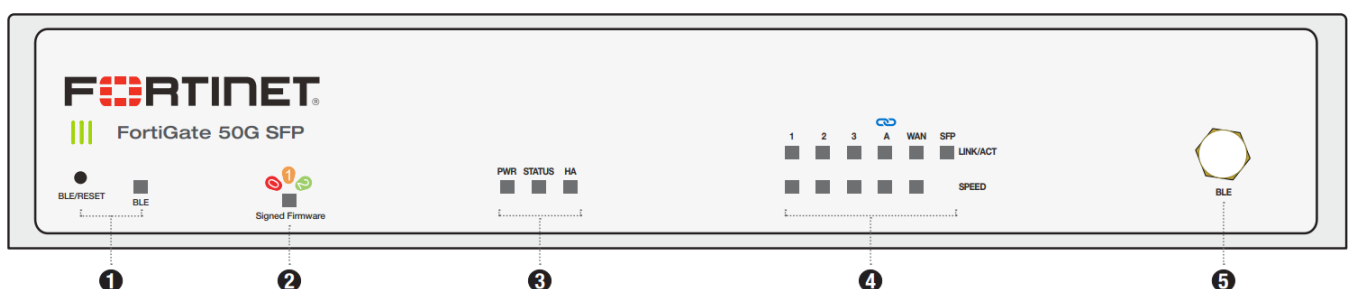Login to **https://fortigate.forticloud.com** using your Fortinet Credentials, then click Add FortiGate and enter the Cloudkey.

Front FG-50G-SFP

1. BLE / RESET Press to enable BLE; press and hold for system reset

Blue: BLE connected
Flashing Blue: BLE in discovery
Off: BLE not connected

2. Signed Firmware BIOS Security Level Controlled by Signed Firmware Switch, see Admin Guide at **https://docs.fortinet.com**.

Green: Security Level 2 (default)
Amber: Security Level 1
Red: Security Level 0

3. PWR

Green: Power detected
Off: Power not detected

STATUS
Green: Operating normally
Flashing Green: Booting up
Off: Device is off

HA
Green: HA enabled (normal)
Amber: HA enabled (failover)
Off: HA disabled

- STATUS
- HA

4. Ethernet Ports

LINK/ACT
Green: Connected
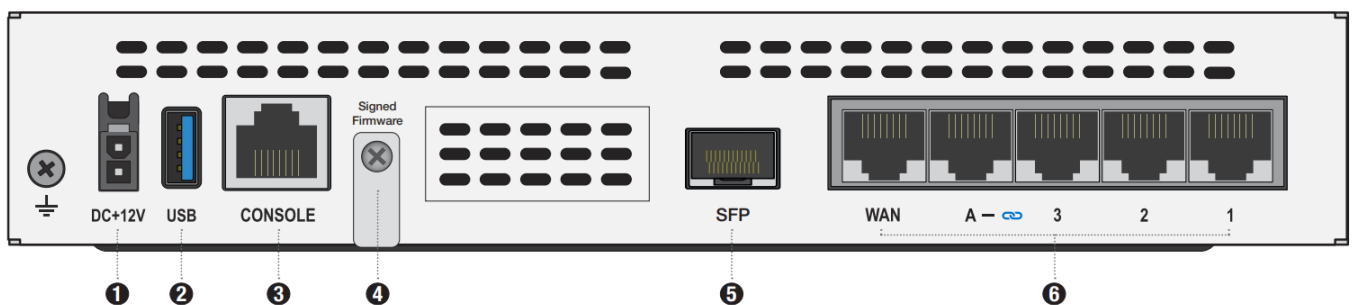**Flashing Green:** Data activity
Off: Not connected

SPEED
Green: 1 Gbps
Amber: 100 Mbps
Off: 10 Mbps or not connected

SFP Port LINK/ACT
Green: Connected at 1 Gbps
Flashing Green: Data activity
Off: No link established

5. BLE Antenna

Rear FG-50G-SFP

1. Power Input 12V DC, 100-240V AC, 50/60Hz adapter
2. USB 3.0 Port (USB-A)

3. CONSOLE Port (RJ-45) CLI management

4. Signed Firmware Switch

5. SFP Port (SFP)

6. Ports (5x RJ-45) WAN, A – FortiLink, 3, 2, 1

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)

Safety
Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.
Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect.

This product is intended to be supplied by a Listed pluggable A via Class I external power supply adapter using a power cord connected to a socket outlet with an earthing connection.
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.

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 the earth with a green with yellow stripe conductor minimum size # 22AWG and the connection is to be installed by a qualified service personnel.

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, under 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 by 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 the receiver.

- Connect the equipment to 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 a minimum distance of 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.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-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.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This radio transmitter (Containing IC: 7280B-110T17) 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. This device and its antennas(s) must not be co-located or operating in conjunction with any other antenna or transmitter except by IC multi-transmitter product procedures.

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:

2402-2480MHz less than 10dBm This equipment should be installed and operated with a minimum distance of 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.

This product complies with Directive 2014/53/EU.

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below: (RoHS Table)

Antenna No.	Manufacturer	Model	Antenna Type	Connector	Antenna Peak Gain
1	Joymax	IHF-2120MPX9-W018	Monopole	iPex MHF1	1.53 dBi for 2.4GHz(BLE)

UK Conformity Assessed (UKCA) – United Kingdom

The product transmits within the frequency ranges and less than or equal to the power listed below: 2402-2480MHz less than 10dBm.This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This product complies 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

Documents / Resources

FORTINET QuickStart Guide FortiGate 50G SFP FG-50G-SFP	**FORTINET FortiGate 50G SFP Transceiver Module Device Setup** [pdf] User Guide FortiGate 50G SFP Transceiver Module Device Setup, FortiGate 50G SFP, Transceiver Module Device Setup, Module Device Setup, Device Setup

References

- 🔳 **Fortinet Document Library | Home**
- 🔳 **Fortinet Document Library | Home**
- 🔴 **LoginMgr**
- 🔳 **Welcome**
- **User Manual**