



FortiTester 100F

FTS-100F

Register for Support

Register your Fortinet product to receive:

- Technical Support
- New product features
- Protection from new threats

Vous devez enregistrer le produit pour recevoir:

- Support technique
- Nouvelles fonctionnalités du produit
- Protection contre de nouvelles menaces

La reistrazione ti permette di usufruire di:

- Supporto Tecnico
- Nuove funzionalità
- Protezione dalle ultime minacce

Debe registrar el producto para recibir:

- Apoyo técnico
- Nuevas funcionalidades del producto
- Protección contra ataques

登録のお願い

本日、フォーティネット製品の登録をしてください。

登録すると次のメリットがあります。

テクニカルサポート・新機能の追加・新しい脅威への防御

请马上注册

您的飞塔产品

您在注册以后才能得到技术支持、新产品特点信息、最新威胁防护



October 23, 2023

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<https://support.fortinet.com>

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Fax: 1 408 235 7737

Email: register@fortinet.com

Box Includes



QuickStart Guide



FortiTester 100F



1x AC Power Cable



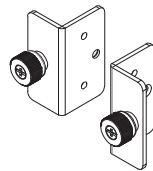
1x Console Cable
(USB to RJ45)



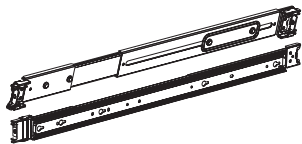
1x Ethernet Cable



2x M3 Handle Screws



1x Set of Handles



1x Set of Sliding Rails



4x Rubber Feet

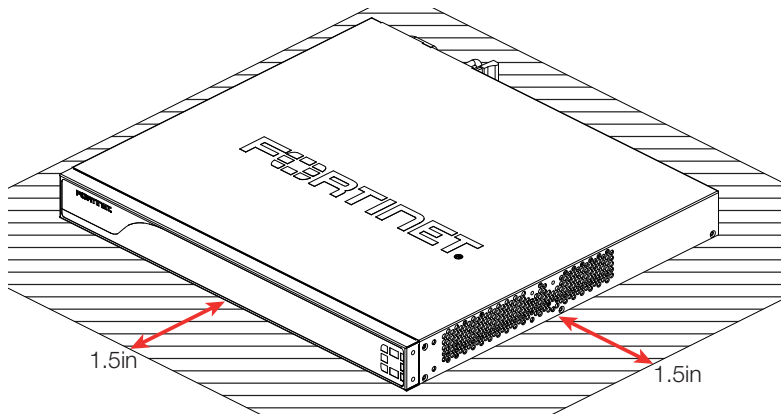
Desktop Installation

Please read “Cautions and Warnings” prior to installing your device.

The appliance can be placed on any flat surface, or mounted in a standard 19 inch rack.

To install the appliance on a flat surface

1. Ensure that the surface onto which the appliance to be installed is clean, level, and stable and that there is at least 1.5in (3.8cm) of clearance on all sides to allow for adequate airflow.
2. Attach the provided rubber feet to the bottom of the appliance.
3. Place the appliance in the designated location.
4. Verify that the spacing around the appliance conforms to requirements and that the unit is level.



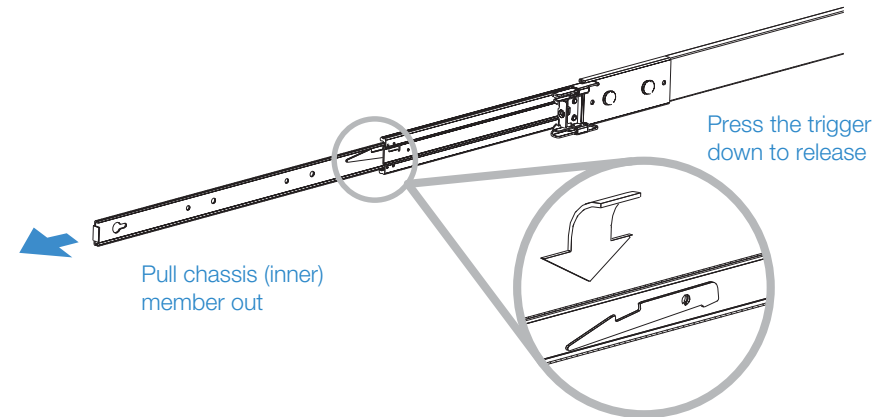
To install the FortiTester unit into a rack:

1. Ensure that the FortiTester unit is placed on a stable surface prior to rack-mount installation.
2. Assemble the rails and install the system in the rack following the safety instructions and the rack installation instructions in Rail Installation (p.6).
3. Verify that the spacing around the FortiTester unit conforms to requirements and that the unit is level.
4. Connect the provided power cables to the system.
5. Plug the other end of the power cables into separate power sources, such as uninterruptible power supplies (UPS) or power distribution units (PDU).
6. Insert one end of the provided Ethernet cable into one of the Ethernet ports on the FortiTester unit. Insert the other end to a router or switch that is connected to the internet.
7. Press the power button on the system to turn on the device. Do **NOT** place heavy objects on the unit.

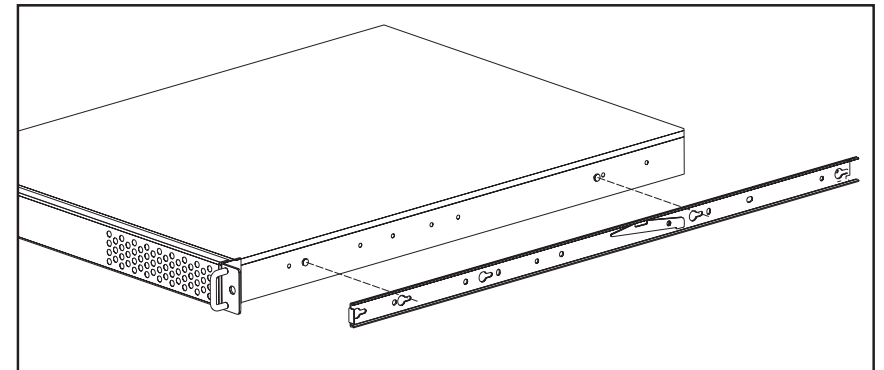
Rail Installation

To install the FortiTester unit using the rail mount kit:

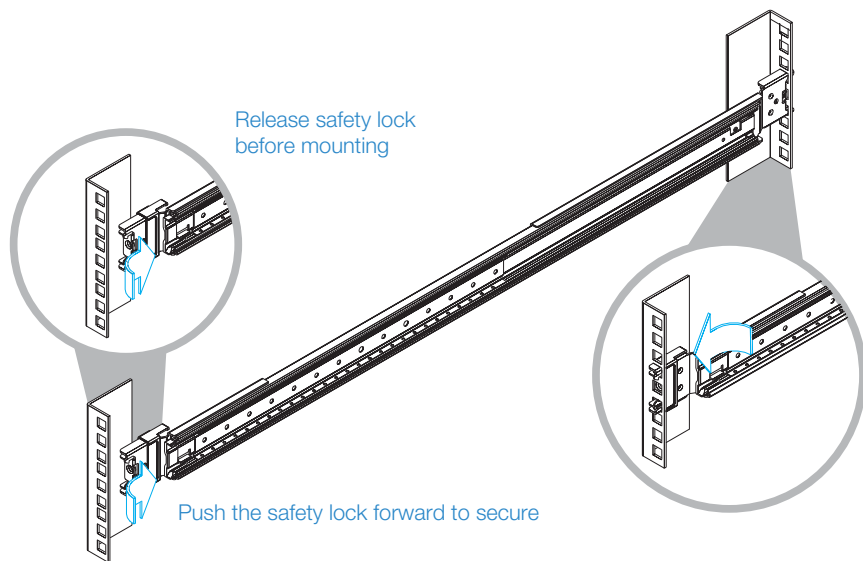
1. To remove the chassis (inner) member, pull the slide open, and then press the trigger down as shown on the drawing, and pull the chassis (inner) member out.



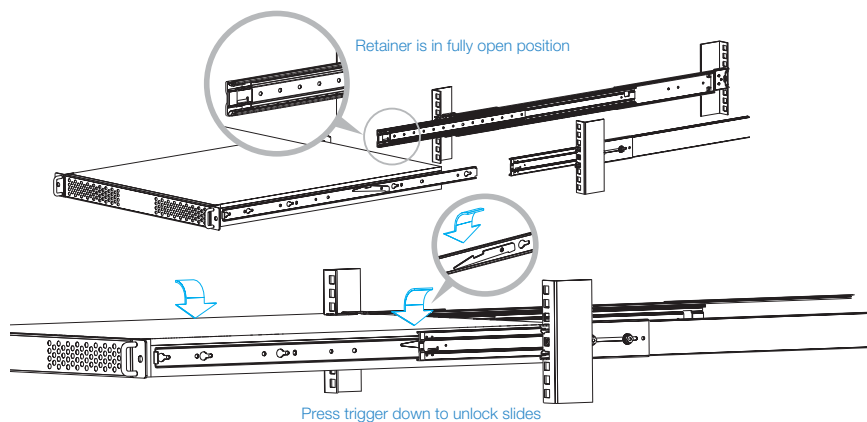
2. Use the standoffs to mount the chassis (inner) member to the chassis.



3. To attach the cabinet (outer) member to the rail, first ensure that the safety lock is in the unlocked position. Then, insert the stag into the upper and lower square holes on the EIA rail from the back of the rail. Finally, push the safety lock forward to secure the bracket.



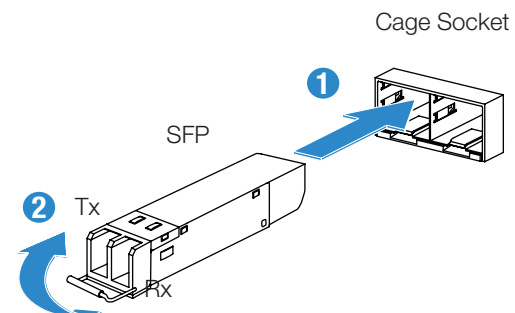
1. To mount the chassis into the cabinet, first ensure that the ball retainer is in the fully open position. Then, insert the chassis (inner) member into the cabinet member. When you push the chassis back into the cabinet, press the trigger down to release the slide from the locked position.



SFP Ports

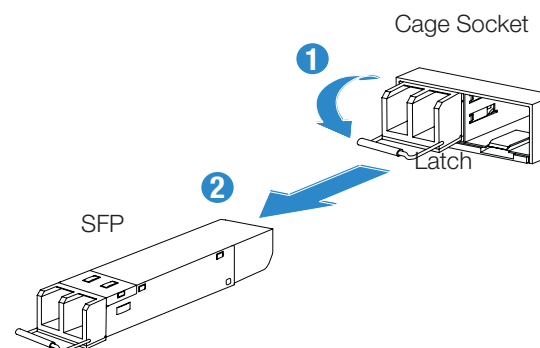
To install the SFP transceivers

1. Slide the SFP into the cage socket until it clicks into place
2. Lift latch to lock the SFP



To remove the SFP transceivers

1. Lower the latch to unlock the SFP
2. Carefully pull the SFP out of the cage socket





Grounding Screws

Provides extra grounding

Power Switch

To turn the power ON/OFF.

Power Connection

100-240V AC, 50-60Hz, 6A-3A.

MGMT

Dedicated Gigabit Ethernet Management Port for system management.



Console

Optional connection to the management computer. Provides access to the CLI.

Reset Button

Reboots the system.

USB Ports

Reserved for future use

Ports 1-2

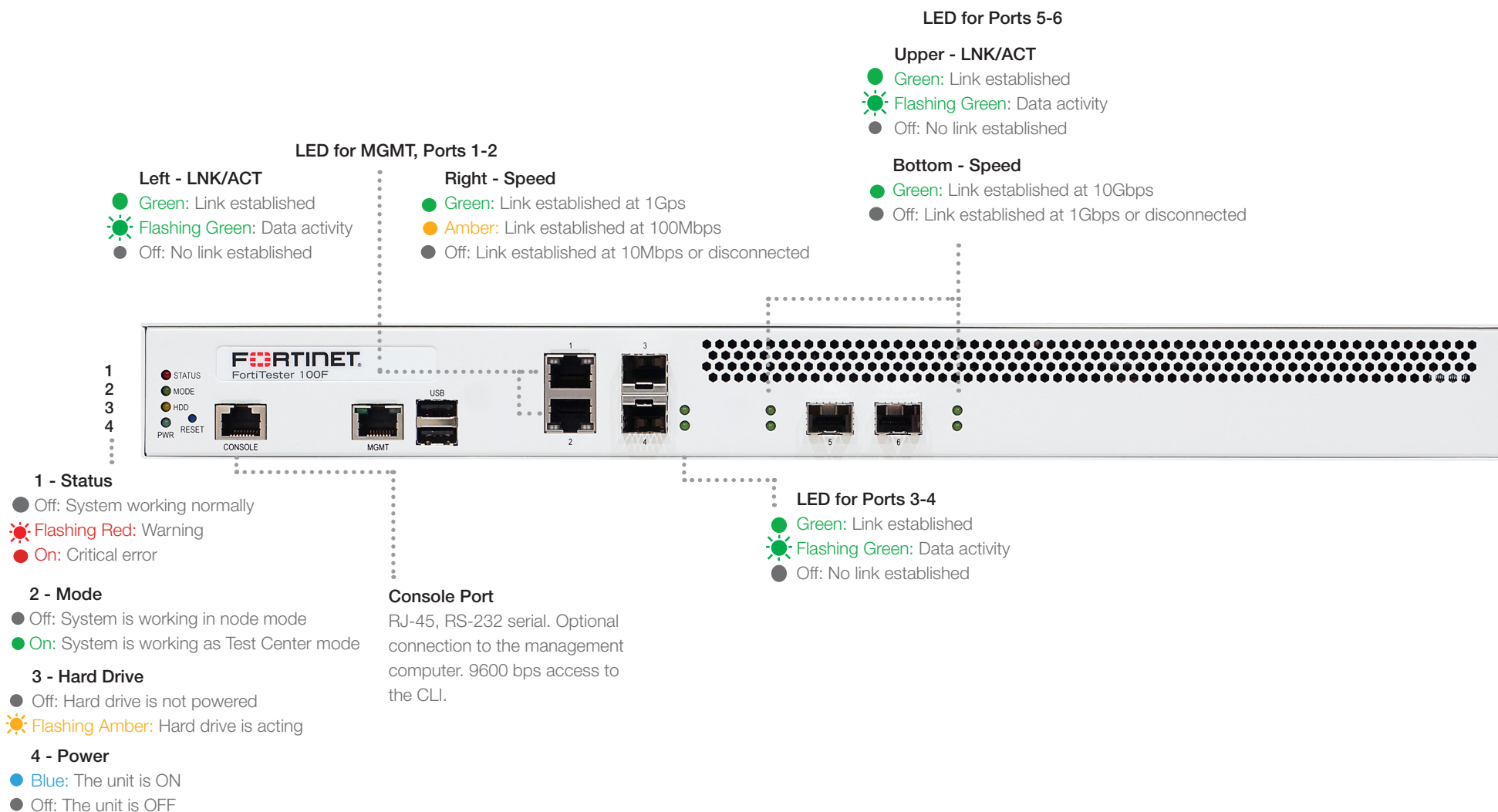
RJ45 type 1 Gigabit Ethernet ports for connections to your DUT.

Ports 3-4

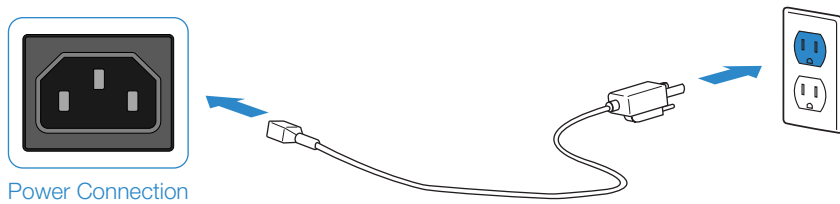
SFP type 1 Gigabit Ethernet port for connections to your DUT

Ports 5-6

SFP+ type 10 Gigabit Ethernet port for connections to your DUT



Basic Connections



Plug the provided power cable into the rear of the appliance, and then into a grounded electrical outlet or a separate power source such as an uninterruptible power supply (UPS) or a power distribution unit (PDU).

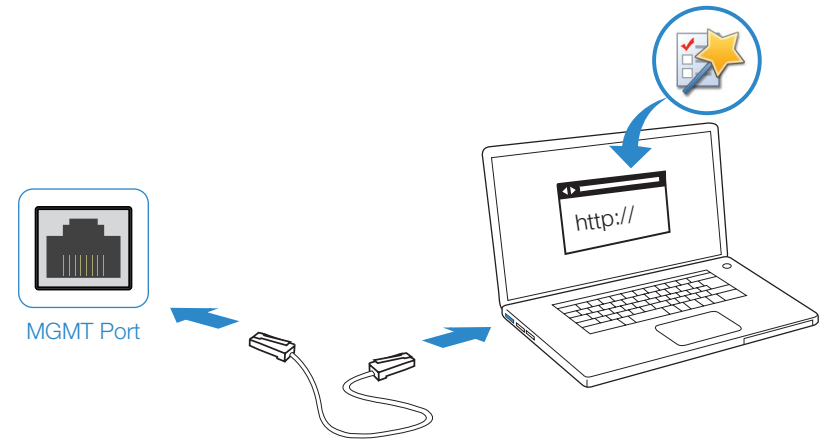
If the appliance has a redundant power supply, connect each power cable to a different power source.

Setup Options

A Web Browser

B Terminal Emulation

A Web Browser with Ethernet cable



To connect to the web UI

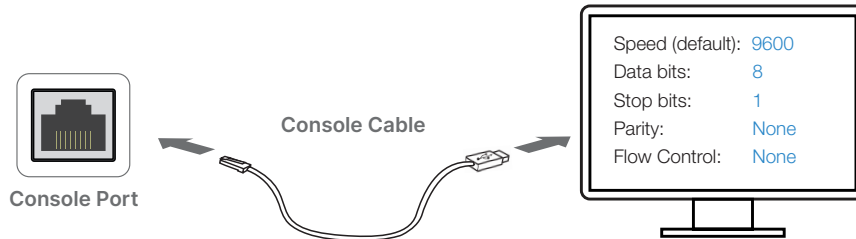
Requires: Microsoft Internet Explorer 9 or higher, the latest version of Mozilla Firefox, Apple Safari 6, or Google Chrome.

1. Using the Ethernet cable, connect the appliance management port to your computer.
2. Configure your computer to match the appliance management port default subnet. For example, from the Windows 7 Control Panel, go to Network and Sharing Center. Click the [Local Area Connection](#) link, and then click the [Properties](#) button. Select [Internet Protocol Version 4 \(TCP/IPv4\)](#) and then click its [Properties](#) button. Select [Use the following IP address](#), and then enter the following settings:

IP address: 192.168.1.2
Netmask: 255.255.255.0

3. To connect to the web UI, start a web browser and go to <http://192.168.1.99>.
4. Type [admin](#) in the Name field, leave the Password field blank, and then click [Login](#).

B Terminal Emulation



To connect to the CLI

Requires: Terminal emulator such as PuTTY, Tera Term, or a terminal server.

1. Connect the appliance console port to the management computer using the provided console cable.
2. Start a terminal emulation program on the management computer, select the COM port, and use the following settings:

Baud Rate: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow Control: None

3. Press **Enter** on your keyboard to connect to the CLI.
4. Login using username **admin** and no password. You can now proceed with configuring your device.

Get started by typing **?** for a list of available commands.

Begin typing a command then type **?** for a list of available ways to complete.
For example **config ?** shows the lowest level of configuration options.

Cautions and Warnings

Environmental specifications

Ambient operating temperature: 0°C to 40°C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
Température ambiante élevée - S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T_{ma}) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
Ventilation réduite - Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
Chargement Mécanique - Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas liée à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
Surtenstion - Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).
Fiabilité de la mise à la terre - Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

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

Moving parts — Hazardous moving parts. Keep away from moving fan blades.
Pièces mobiles – Pièces mobiles dangereuses. Se tenir éloigné des lames mobiles du ventilateur.

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. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Caution: There is a danger of explosion if a battery is incorrect replaced. Replace only with the same or equivalent type. Dispose batteries of according to the manufacturer's instructions. Disposing a battery into fire, a hot oven, mechanically crushing, or cutting it can result in an explosion. Leaving a battery in an extremely hot environment can result in leakage of flammable liquid, gas, or an explosion. If a battery is subjected to extremely low air pressure, it may result in leakage of flammable liquid, gas, or an explosion.

Warning:
Lithium-Batterie Achtung: Explosionsgefahr bei fehlerhafter Batteriewechsel. Ersetzen Sie nur den gleichen oder gleichwertigen Typ. Batterien gemäß den Anweisungen des Herstellers entsorgen.

Beseitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerkleinern oder Schneiden einer BATTERIE, die zu einer EXPLOSION führen kann

Verlassen einer BATTERIE in einer extrem hohen Umgebungstemperatur, die zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann

Eine BATTERIE, die einem extrem niedrigen Luftdruck ausgesetzt ist, der zu einer EXPLOSION oder zum Austreten von brennbarer Flüssigkeit oder Gas führen kann.

Laser Class 1 optical transeiver shall be used only
L'émetteur-récepteur optique de classe 1 laser doit être utilisé uniquement

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 A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

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

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

CAN ICES-003 (A) / NMB-003 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Conformity (CE) - EU

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



Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。V C C I - A

Product Safety Electrical Appliance & Material (PSE) – Japan

日本では電気用品安全法(PSE)の規定により、同梱している電源コードは本製品の専用電源コードとして利用し、他の製品に使用しないでください。

Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
限用物質含有情況表 (RoHS Table) 請到以下 網址下載：
<https://www.fortinet.com/bsmi>

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

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China

此为A级产品，在生活环境，该产品可能会造成无线电干扰。这种情况下，可能需要用户对其采取切实可行的措施。

