

QuickStart Guide

FortiAnalyzer BigData 4500G

FAZ-BD-4500G

The Essentials

Default Logins

 <https://192.168.1.98>
Username: **admin**
Password: **leave blank**

Fortinet Documents Library

For a detailed administration guide, up-to-date hardware manuals and reference materials, visit <https://docs.fortinet.com/>

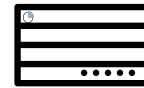
Support Resources

Register for FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage at <https://support.fortinet.com>

Package Contents

FortiAnalyzer BigData 4500G

FAZ-BD-4500G



FortiAnalyzer BigData
Device



QuickStart Guide



Admin Credentials



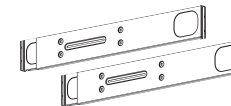
4x Power Cables



1x Console Cable
(RJ45 to USB)



1x Ethernet Cable



2x Slide Rails



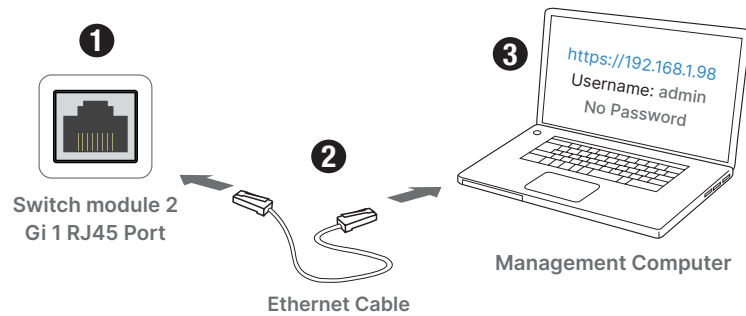
14x System Blades



8x Screws with Washers

Setup

GUI



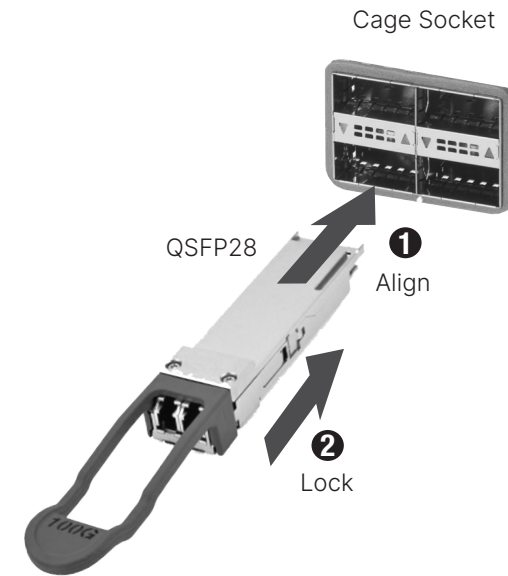
Note: For static IP configuration, use 192.168.1.10 with subnet mask 255.255.255.0.

CLI

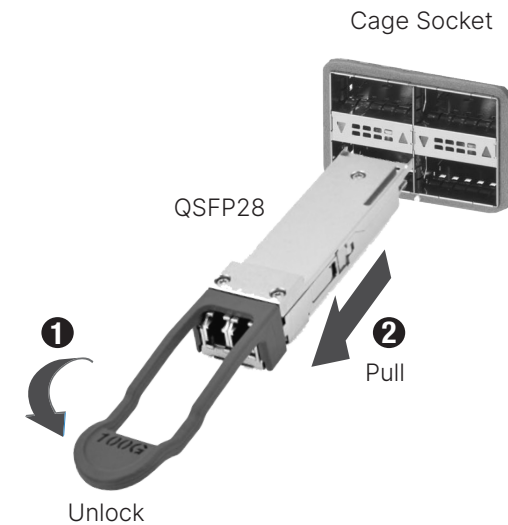
To manage your device via CLI after configuring your network, visit <https://docs.fortinet.com/product/fortianalyzer-bigdata>

SFP Modules

Installation



Removal

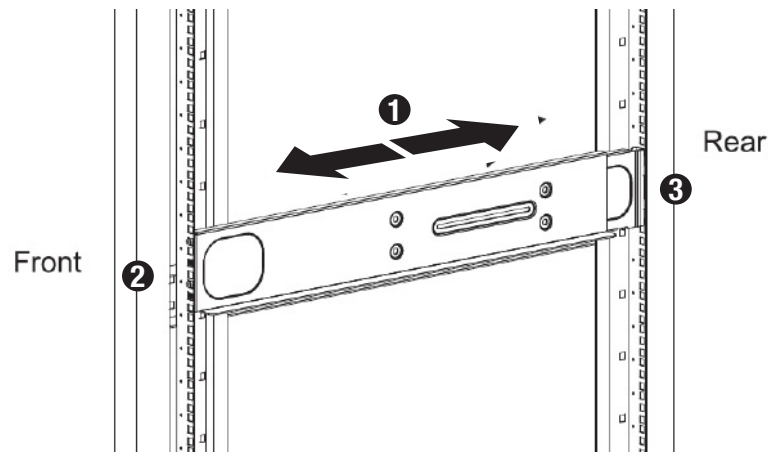


Rack Installation

Slide Rails

Caution:

Ensure the hard drives are properly installed prior to rack-mounting.
Electrostatic discharge can damage your equipment.
To avoid injury, install with 2 or more people.
Do not place heavy objects on the device.
Ensure there is 1.5in of space around the device to ensure adequate air flow.

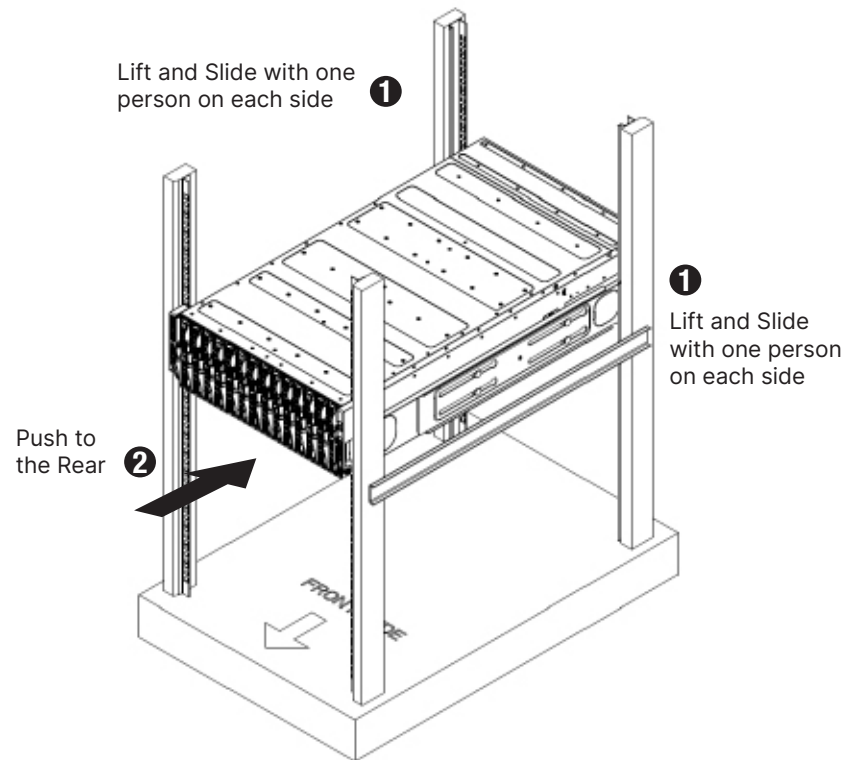


1. Unscrew the release screws on the Left and Right rails and slide apart, making note of the Front and Rear orientations
2. Position the Left Rails with the template and secure the front with two flathead screws
3. Then secure the back with two flatheads screws
4. Repeat steps 2 for the Right Rail

Device Installation

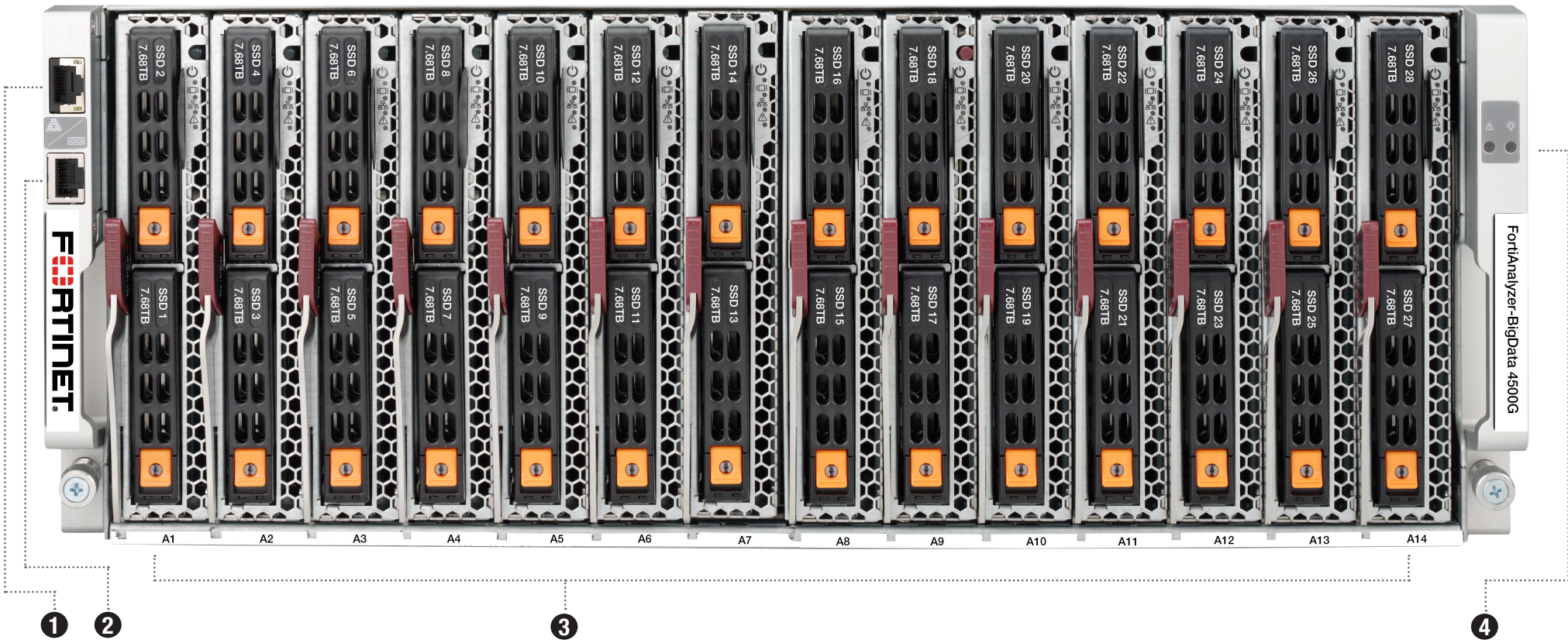
Caution:

To avoid injury, empty the device of all blades, power supplies, switches and modules before lifting.
Install these components after the device is mounted



1. With one person on either side, lift the device and slide it into the installed rails
2. After pushing the device all the way into the rack, use two roundhead screws on each side of the server to lock it into place
3. The device is now secure
4. Re-install the blades, power supplies, switches and modules

Front FAZ-BD-4500G



1 GUI Chassis Management (RJ-45) **2** CLI Chassis Management (RJ-45)

3 Blade Control Panel (A1 to A14)

Power Button press to turn on, press and hold to turn off

Green: Power on

Amber: Power off, cables plugged in

Flashing Amber: Insufficient power or node error

iKVM/UID LED

Blue: iKVM in use

Flashing Blue: UID in use

Network/IB LED

Flashing Green: LAN in use

Flashing Amber: Module in use

Error LED

Red: Overheat, memory, VGA or boot error detected

4 **System Status LED**

Red: System error detected

Green: Power status OK

Switch Module #1 (Internal)



- 1** RESET press and hold until Info LED is flashing, then turns Blue

Module LED Indicators

- ⬆ **Green** module on
- ⬆ **Off** module off
- ⚠ **Red** module error
- ⚠ **Off** module operating normally

- 2** COM (RJ45) module CLI management

- 3** USB (not in use)

Port Gi 1 (RJ45)

LINK/SPEED (Left LED)

- **Green**: 100Mbps
- **Amber**: 1Gbps
- **Off**: 10Mbps or no link established

ACT (Right LED)

- **Amber**: No data activity
- ⚡ **Flashing Amber**: Data activity
- **Off**: No link established

- 4** Ports CX1 to CX6 (QSFP28)

- ▼ **Green**: Link established at 100Gbps
- ⚡ **Flashing Green**: Data activity
- ▼ **Off**: No link established

- 5** UID button and Info LED

- i **Blue**: UID on
- ⚡ **Flashing Blue**: Module resetting
- i **Off**: UID off

Chassis Management Module



1 RJ45 Ports (x2)

LINK/SPEED (Left LED)

- **Green:** 100Mbps
- **Amber:** 1Gbps
- **Off:** 10Mbps or no link established

ACT (Right LED)

- **Amber:** No data activity
- ⏏ **Flashing Amber:** Data activity
- **Off:** No link established

2 COM (RJ45) module CLI management

3 RESET press and hold until Info LED is flashing, then turns Blue

Module LED Indicators

- ⬢ **Green** module on
- ⬢ **Off** module off
- ⚠ **Red** module error
- ⚠ **Off** module operating normally
- i **Blue:** UID on
- ⏏ **Flashing Blue:** Fast (upgrading/resetting); Slow (normal operation)
- i **Off:** UID off

Switch Module #2 (External)



1 RESET press and hold until Info LED is flashing, then turns Blue

Module LED Indicators

- Green** module on
- Off** module off
- Red** module error
- Off** module operating normally

2 COM (RJ45) module CLI management

3 USB (not in use)

Port Gi 1 (RJ45)

LINK/SPEED (Left LED)

- Green:** 100Mbps
- Amber:** 1Gbps
- Off:** 10Mbps or no link established

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- Flashing Amber:** Data activity
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4 Ports CX1 to CX6 (QSFP28)

- Green:** Link established at 100Gbps
- Flashing Green:** Data activity
- Off:** No link established

5 UID button and Info LED

- Blue:** UID on
- Flashing Blue:** Module resetting
- Off:** UID off

Power Input



1

1 Power Supplies (x4) hot swappable, 200-240 VAC, 50/60Hz, 10-9.8A each

- **Green:** Operating normally
- **Amber:** Error detected or no AC input
- **Red:** Power supply failure
- **Off:** Power supply off

Cautions and Warnings

Environmental Specifications

Ambient operating temperature: 10°C to 35°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 (Tma) specified by the manufacturer.

Température ambiante élevée - Si l'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 (Tma) 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 lié 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.

Surtension - 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.

Warning: Equipment intended for installation in Restricted Access Location.

Avertissement: Le matériel est conçu pour être installé dans un endroit où l'accès est restreint.

Skilled person must install the equipment.

L'équipement doit être installé par une personne qualifiée

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.

WARNUNG:

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.

CAUTION: Shock Hazard. Disconnect all power sources.

ATTENTION: Risque d'électrocution. Débranchez toutes les sources d'alimentation.

Caution: Slide/rail mounted equipment is not to be used as a shelf or a work space.

Attention: Un équipement monté sur bâti ne doit pas être utilisé sur une étagère ou dans un espace de travail.

Warning: Stability hazard.

Attention: Risque de stabilité.

The rack may tip over causing serious personal injury.

Le rack peut basculer et provoquer des blessures graves.

Before extending the rack to the installation position, read the installation instructions.
Avant d'étendre le rack jusqu'à la position d'installation, lisez les instructions d'installation.

Do not put any load on the slide-rail mounted equipment in the installation position.
N'exercez aucune charge sur l'équipement monté sur rail coulissant en position d'installation.

Do not leave the slide-rail mounted equipment in the installation position.

Ne laissez pas l'équipement monté sur rail en position d'installation.

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機器です。この装置を住宅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.fordinet.com/bsmi>

警告： 為避免電磁干擾，本產品不應安裝或使用於住宅環境。

請仔細閱讀以下說明

本設備勿置於潮濕處。

連接至電源前，請先檢查電壓。

當設備不用時，請將所有電源線拔除，避免電壓不穩而造成傷害。

勿將任何液體滲入設備中，避免線路短路。

基於安全理由，只有受到專業訓練的從業人員，才可以打開本設備。

請勿自行調整或修理已通電的設備，以確保您的安全。

如不小心受傷，請立刻找急救人員給予您適當的救護，千萬別因傷勢輕微而忽略自己的傷勢。

請依照台灣法規處置電池。

若正確替換電池可能導致爆炸危險，替換電池時，請使用設備生產商推薦使用的電池。

請勿拆卸、刺穿或以其他方式損壞電池。

雷射設備非用戶維修設備，請與生產商聯繫維修事宜。

注意：要斷開電源，請將所有電源線從本機上拔下

滑軌警告：

當將滑軌進行安裝位置前，請閱讀安裝指示。

勿在安裝位置上放置任何負載於滑軌安裝設備上。

勿將滑軌安裝設備留置於進行安裝時之位置。

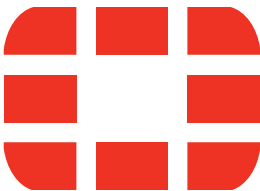
英屬直落亞逸群島防務網股份有限公司台灣分公司

地址：台北市內湖區行愛路176號2樓

電話：(02) 27961666

China

警告：在居住环境中，运行此设备可能会造成无线电干扰。



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