

QuickStart Guide

FortiPAM 1000G & 3000G

FPA-1000G & FPA-3000G

Before you begin

Register your device to access FortiGuard updates, cloud management, firmware upgrades, technical support and warranty coverage.

<https://support.fortinet.com>



This guide covers: FPA-1000G, FPA-3000G


June 14, 2023

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The Essentials

Default Logins

 ssh admin@192.168.1.99
subnet 192.168.1.0/24

Fortinet Documents Library

For a detailed Administration Guide, up-to-date Hardware documentation and Reference Manuals, visit <https://docs.fortinet.com/>

Customer Service

For contracts, licensing, product registration and account management, contact FortiCare Support at <https://www.fortinet.com/support/contact>

Technical Support

To access our Resource Center, Professional Services and Technical Support Services, visit <https://www.fortinet.com/support>

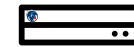
Thank you for choosing Fortinet

Package Contents

FortiPAM 1000G & 3000G
FPA-1000G & FPA-3000G



QuickStart Guide



FortiPAM Device



2x AC Power Cables



1x Ethernet Cable



1x Console Cable
(DB9 to DB9)



2x HDD Keys



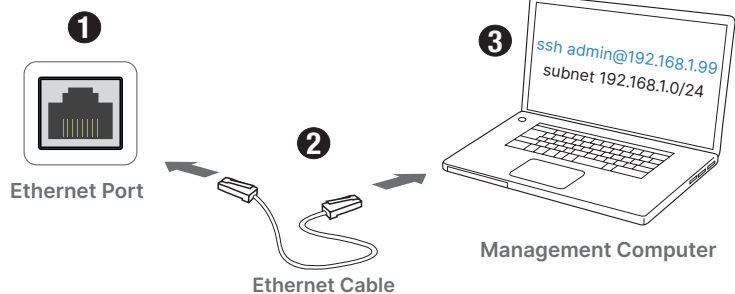
2x Sliding Rails w/ Screws
(4x M4×4, 8x #10-32×14.5,
2x M5×12)



2x M5×8 Ear Screws

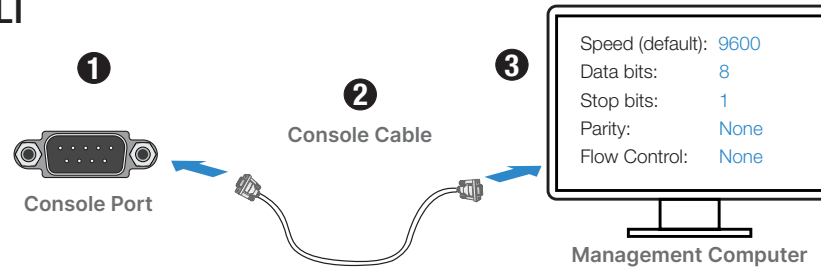
Setup Options

SSH



Note: SSH is enabled by default. See the Admin Guide on the [docs site](#) for configuration details.

CLI



Note: For a detailed CLI guide, visit docs.fortinet.com

Rack Installation

Caution

- The rack must be stabilized before sliding the unit out for servicing. Failure to stabilize may cause the rack to tip over.
- Electrostatic discharge (ESD) can damage your Fortinet equipment.
- To avoid personal injury or damage to the unit, it is recommended that two or more people install the unit into the rack.
- Do not place heavy objects on the unit.

Rack Precautions

- Ensure the leveling jacks on the bottom of the rack are fully extended to the floor with the full weight of the rack resting on the jacks.
- For single rack installation, stabilizers should be attached to the rack.
- For multiple rack installations, the racks should be coupled together.
- Ensure the rack is stable before extending a component from the rack.
- Only extend one component at a time; extending two or more simultaneously may cause the rack to become unstable.

Rack Rail Parts

- Outer rail: connects to the rack
- Inner rail: connects to the device

Disassemble the rail assembly

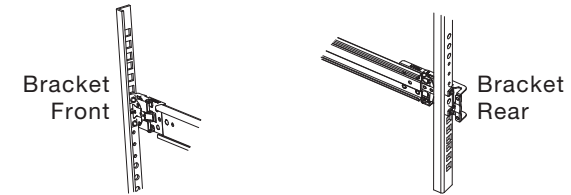
1. Identify the left and right rail assemblies.
2. Pull out the inner rail until it is fully extended.
3. Push the white locking tab to release the inner rail.
4. Remove the inner rail from the outer rail.
5. Repeat steps 2 - 4 for the remaining rail assembly.

Attach the inner rails to the device

1. Ensure that the right and left rails are correctly identified.
2. Place the inner rail against the side of the device and ensure that the screw holes are aligned.
3. Secure the rail to the device using five M4 Waffle Head screws.
4. Attach the sliding rail handle to the device using three M4 Flat Head screws.
5. Repeat steps 2 - 3 for the remaining inner rail.

Install the outer rails on a rack

1. Ensure that the right and left rails are correctly identified.



- 2.
3. Press the front of the outer rail into three available screw holes on the front of the rack until you hear a click.
4. Ensure that the rail is level, then slide the rear of the rail over three holes on the back of the rack until you hear a click.
5. No screws are required to secure the rail to the rack.
6. Repeat steps 2 - 3 for the remaining outer rail.

Install the device into the rack

1. Ensure that there is enough room around the unit to allow for sufficient air flow.
2. Ensure that the inner rails are properly connected to the device, and that the outer rails are securely attached to the rack.
3. Align the inner rails with the outer rails and slide the device onto the rails until the locking tabs click into the locked position.
4. Ensure that even pressure is applied to both sides of the device.
5. Simultaneously push the locking tabs on both sides while pushing the device all the way into the rack.
6. For additional security, secure the handles to the front of the rack with the two provided rack mount screws.
7. To remove the device from the rack, pull it out as far as it will go, then push the locking tabs on both sides and slide the device out.

Front FPA-1000G



- 1 **HDD Slots 1 to 6 (12TB Total)** Hard Drives 6× 2TB SATA, Hot-Swappable
(Slots 7 & 8 not populated by default)


HDD Power Status

Green: HDD on
Off: HDD off

 **UID LED** for future use

- 2 **HDD Secure Latch**

- 3  **HDD Activity Status**

 **Blue:** HDD operating normally
Flashing Blue: HDD is in use
Off: No power to HDD

- 4 **POWER button** short press for on; long press for off

Green: Device on
Amber: Device off

UID button for future use

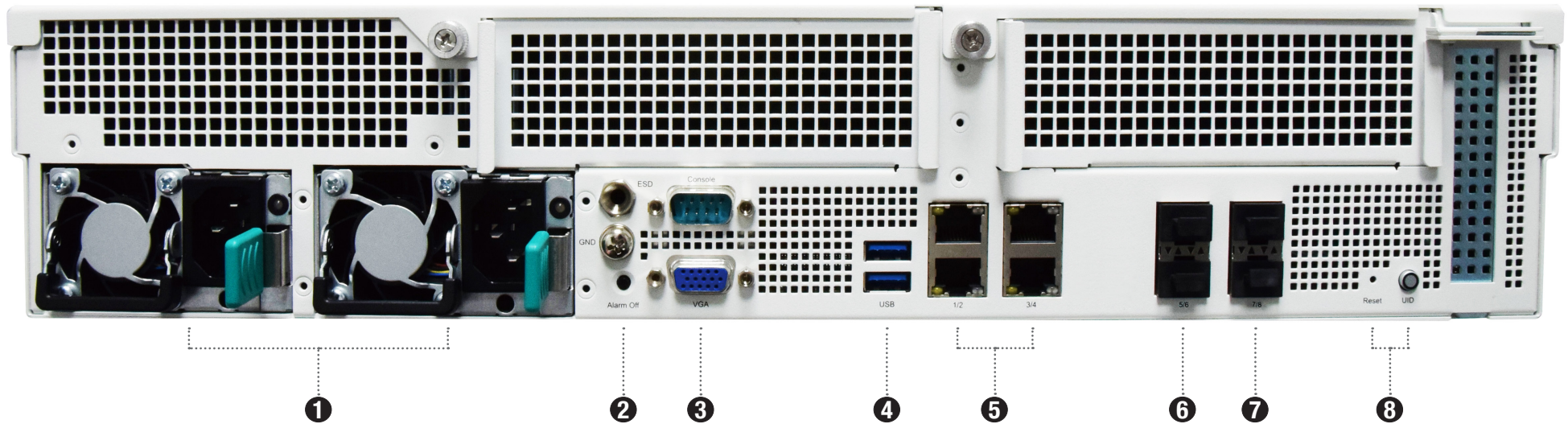
RESET button press twice to reboot

Red: System on
Off: System off

STATUS LED for future use



Rear FPA-1000G



1 Redundant Hot-Swappable Power Supplies (1+1)
100-240VAC, 7.5-3.9A Max, 50/60Hz

2 Alarm OFF button
Turns off alarm

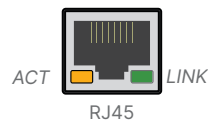
3 Console (DB9)
CLI Management Port

VGA (DB15)
Not in use

4 USB A (2.0)
For future use

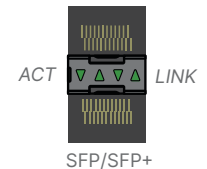
5 Ports 1 to 4 (RJ45)

- Green:** Link established at 100M
- Amber:** Link established at 1000M
- Off:** Link established at 10M or off
- Amber:** Link established, no activity
- Flashing Amber:** Data activity
- Off:** No link established



6 Ports 5 & 6 (SFP)
LINK **Amber:** Link established at 1Gbps
Off: No link established

ACT **Flashing Amber:** Data activity
Off: No data activity



7 Ports 7 & 8 (SFP+)

LINK **Green:** Link established at 10Gbps
Off: Link established at 1Gbps

ACT **Green:** Link established, no data activity
Flashing Green: Data activity
Off: No link established, no data activity

8 Reset system reset button
UID for future use


Front - FPA-3000G



1 HDD Slots 1 to 6 (36TB Total) Hard Drives 6× 6TB SATA, Hot-Swappable
(Slots 7 to 12 not populated by default)


 **HDD Power Status**

Green: HDD on
Off: HDD off

 **UID LED** for future use

2 **HDD Secure Latch**

3  **HDD Activity Status**

 **Blue:** HDD operating normally
Flashing Blue: HDD is in use
Off: No power to HDD

4 **POWER button**

Green: Device on
Amber: Device off

UID button for future use

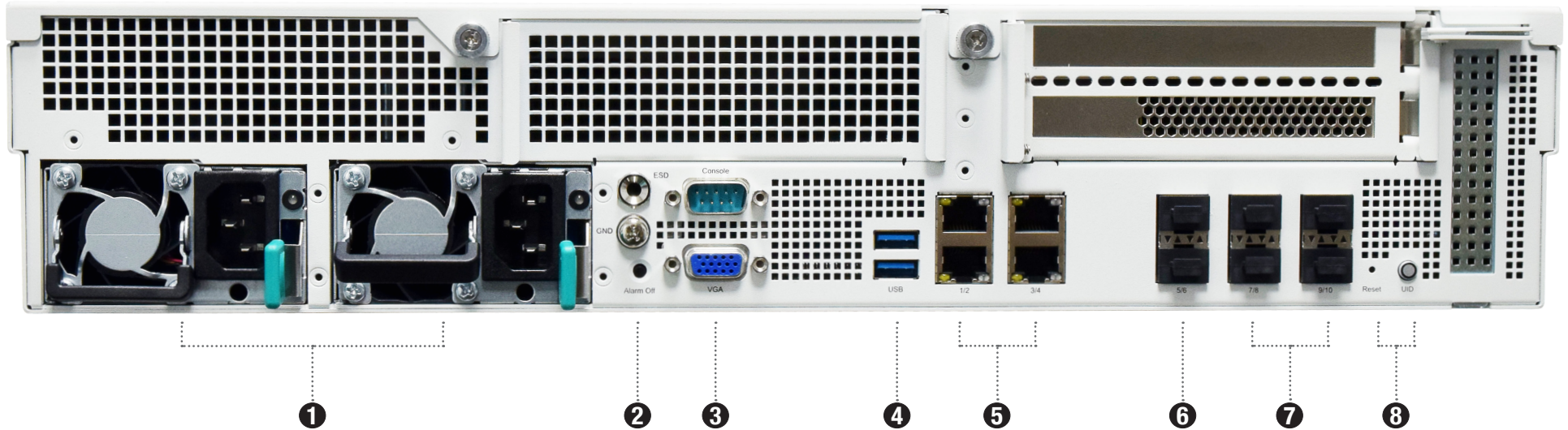
RESET button press twice to reboot

Red: System on
Off: System off

STATUS LED for future use



Rear - FPA-3000G



1 Redundant Hot-Swappable Power Supplies (1+1)

100-240VAC, 10-5A Max, 50/60Hz

2 Alarm OFF button

Turns off alarm

3 Console (DB9)

CLI Management Port

VGA (DB15)

Not in use

4 USB A (2.0)

For future use

5 Ports 1 to 4 (RJ45)

■ **Green:** Link established at 100M

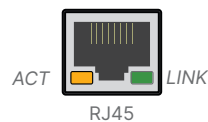
LINK ■ **Amber:** Link established at 1000M

■ **Off:** Link established at 10M or off

■ **Amber:** Link established, no activity

ACT ✨ **Flashing Amber:** Data activity

■ **Off:** No link established



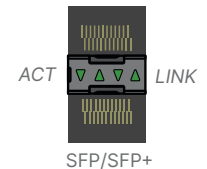
6 Ports 5 & 6 (SFP)

LINK ▼ **Amber:** Link established at 1Gbps

▼ **Off:** No link established

ACT ✨ **Flashing Amber:** Data activity

▼ **Off:** No data activity



7 Ports 7 to 10 (SFP+)

LINK ▼ **Green:** Link established at 10Gbps

▼ **Off:** Link established at 1Gbps

LINK ▼ **Green:** Link established, no data activity

ACT ✨ **Flashing Green:** Data activity

▼ **Off:** No link established, no data activity

8 Reset system reset button

UID for future use

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_{max}) specified by the manufacturer.

Température ambiante élevée - Si il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'équipement 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_{max}) 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.

Surtenison - 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'applique 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.

Besitigung einer BATTERIE in Feuer oder einen heißen Ofen oder mechanisches Zerklütern 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.

Aviso: Perigo de estabilidade.

The rack may tip over causing serious personal injury.

O rack pode tombar causando ferimentos graves.

Before extending the rack to the installation position, read the installation instructions.

Antes de estender o rack para a posição de instalação, leia as instruções de instalação.

Do not put any load on the slide-rail mounted equipment in the installation position.

Não coloque nenhuma carga no equipamento montado em trilho deslizante na posição de instalação.

Do not put any load on the slide-rail mounted equipment in the installation position.

Não coloque nenhuma carga no equipamento montado em trilho deslizante na posição de instalação.

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

Não deixe o equipamento montado em trilho deslizante na posição de instalação.

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'émite 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 ministre 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。

VCCI-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>

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。

勿將任何液體灑入設備中，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

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China

此为A级产品，在生活环境中，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。

