QuickStart Guide

FortiNDR 3600G

FNR-3600G

The Essentials

Secure your Network

Register at https://support.fortinet.com for the latest threat protection updates

GUI

1. Connect Port 1 to an Ethernet port or USB-RJ45 adapter on your computer using the provided Ethernet cable and a RJ45 to SFP adapter (not provided)
2. Open a browser to https://192.168.1.88

CLI

1. Connect the provided console cable to the Console Port
2. Open a Terminal app using 9600-8-N-1

Default Logins

https://192.168.1.88
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/

Package Contents

FortiNDR 3600G

FNR-3600G



1x FortiNDR Device



1x QuickStart Guide



1x Console Cable
(RJ45 to USB)



2x AC Power Cables



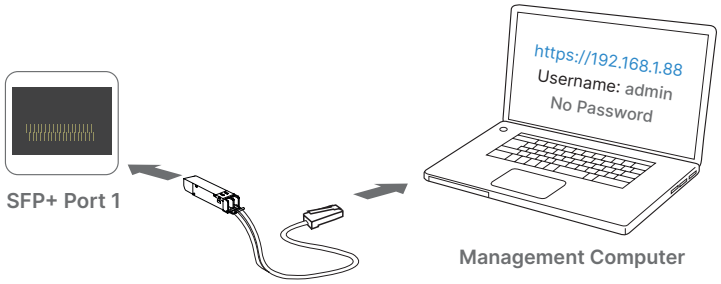
1x Ethernet Cable



2x Slide Rails

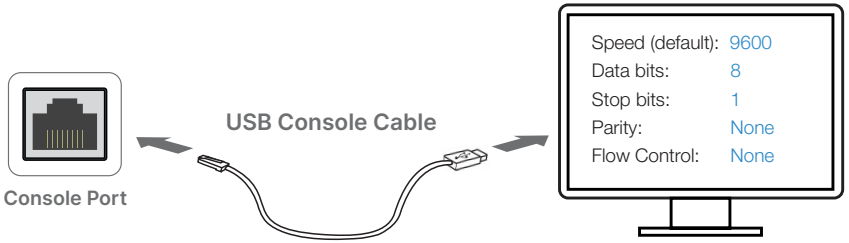
Setup

GUI



Ethernet Cable with
SFP+ to RJ45 Transceiver
(Transceiver not provided)

CLI



Rack Installation

This device can mounted in any standard 19 inch rack unit with the provided mounting rails.

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

The rail assembly consists of two parts:

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

The inner rail has a locking tab that locks the device into place when it is installed and pushed into the rack. This prevents the device from sliding fully out of the rack when the device is being worked on.

There are four steps to install the device into the rack:

1. Disassemble the rail assembly
2. Attach the inner rails to the device
3. Install the outer rails on a rack
4. Install the device into the rack

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.
4. Attach the sliding rail handle to the device using four of the provided M5 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. Press the front of the outer rail into three available screw holes on the front of the rack until you hear a click.
3. 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.
4. No screws are required to secure the rail to the rack.
5. 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 the 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 while doing this.
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.

After the device is installed in the rack, plug the provided power cable into the rear of the unit, and then into a grounded electrical outlet or separate power source, such as an uninterruptible power supplies (UPS) or a power distribution units (PDU).

Front FNR-3600G



1 **Storage slots (x12)** 16TB SAS HDD, RAID 5, 176TB usable, hot-swappable

Storage Status

- **Red**: Storage device error
- **Blue**: Storage device identification
- **Off**: Storage status operating normally

Storage Activity

- **Green**: Storage device operating normally
- **Flashing Green**: Storage device in use
- **Off**: No power to storage device

2 **Power Button**

- **Power On**: Short press to power on/off; long press to force shutdown
- **Power Off**

ID Button press to identify devices

- **Blue**: Identifying device
- **Off**: Not identifying device

Reset Button press to reset device

System Error LED

- **Red**: System error
- **Off**: Operating normally

Power Supply Error LED

- **Red**: Power supply error
- **Off**: Operating normally

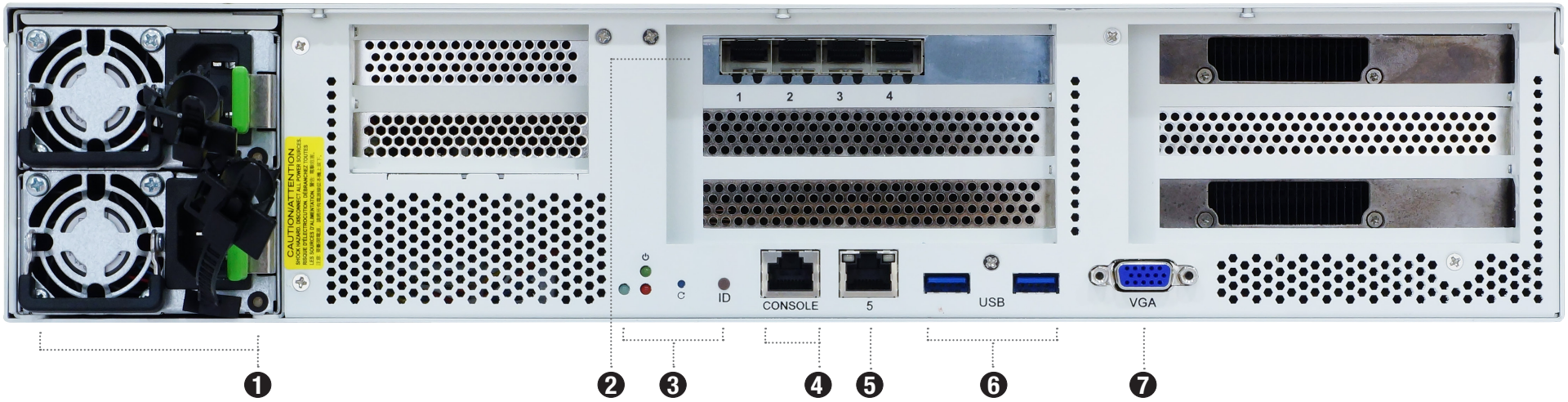
Memory Error LED

- **Red**: Memory error
- **Off**: Operating normally

System Overheat LED

- **Red**: System overheat error
- **Off**: Operating normally

Rear FNR-3600G



1 Power Input (x2) Redundant and hot-swappable
100-127V, 12A, 50/60Hz or 200-240V, 10A, 50/60Hz

- **Green**: PSU providing power
- **Amber**: PSU error or input not detected
- **Off**: PSU not providing power

2 Ports 1 to 4 (SFP+)

Activity (Right LED)

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

Speed (Left LED)

- **Green**: 10/1 Gbps
- **Off**: No link established

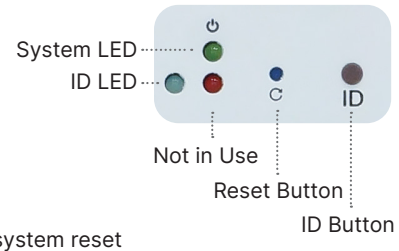
3 Chassis Buttons and LEDs

System LED

- **Green**: System on
- **Off**: System off

ID LED

- **Blue**: ID on
- **Off**: ID off



Reset Button press and hold for system reset

ID Button press to activate device ID LED

4 Console Port (RJ-45)

5 Port 5 (RJ-45)

Activity (Left LED)

- **Green**: Connected
- **Flashing Green**: Data activity
- **Off**: Not connected

Speed (Right LED)

- **Green**: 1000Mbps
- **Amber**: 100Mbps
- **Off**: 10Mbps or no off

6 USB 3.0 Ports (USB-A)

7 VGA Port (DB-15)

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 (Tma) 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 (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.

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: 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.

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.

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

IEC 60825-1:2014 transfer to FDA/CDRH Complies with FDA performance standards for laser products except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated May 8, 2019.

IEC 60825-1:2014 transfert à la FDA/CDRH Conforme aux normes de performance de la FDA pour les produits laser, à l'exception de la conformité à la norme IEC 60825-1 Ed.3., comme décrit dans l'avis laser n° 56, daté du 8 mai 2019.

The SFP ports should use UL Listed Optional Transceiver product, Rated 3.3Vdc, Laser Class 1.
Les ports SFP doivent utiliser un produit émetteur-récepteur en option répertorié UL, 3,3 Vdc, classe laser 1.

Warning: Class I Equipment. This equipment must be earthed. The power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltage on accessible metal parts.
Avertissement: Équipement de classe I. Cet équipement doit être mis à la terre. La fiche d'alimentation doit être connectée à une prise de terre correctement câblée. Une prise de courant mal câblée pourrait placer une tension dangereuse sur les pièces métalliques accessibles.

Warning: All Ethernet cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the appliance is located.
Avertissement: Tous les câbles Ethernet sont conçus pour une connexion intra-bâtiment à d'autres équipements. Ne connectez pas ces ports directement au câblage de communication ou à tout autre câblage qui sort du bâtiment où se trouve l'appareil.

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 édicte 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.

CE

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。

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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。

勿將任何液體濺入設備中，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。

若不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

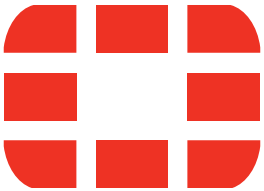
英屬蓋曼群島商防特網股份有限公司台灣分公司

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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