STORMSHIELD NETWORK SECURITY

SAFETY RULES AND INSTALLATION PRECAUTIONS - SN RANGE

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Before installing anything, carefully read and follow the safety instructions:

SAFETY RULES

IMPORTANT: You must use the power adapter provided with the product.

BEFORE CONNECTING

- Ensure that neither your Stormshield product, the power cord nor power adapter is damaged.
- Ensure that the power supply or power adapter of your Firewall is compatible with the voltage of your power supply network.
- When the product's power cord or power adapter has a ground pin, it must be plugged into a properly grounded electrical outlet. Ensure that the connection is reliable and that the protective earth circuit of your installation complies with safety standards in force.
- To be able to disconnect the product, ensure that the connection to the power supply is always easily accessible.

BEFORE CONNECTING TO 48VDC POWER SUPPLY (SN1100, SN2100, SN3100, SN6100, SN-L-Series and SN-XL-Series)

Special considerations for equipment connected to a DC mains supply:

- Please follow IEC, NEC, ANSI/NFPA 70 and CEC, Part I, C22.1 for all relevant field wiring instructions and cautions. The equipment must be installed by a qualified electrician.
- Before using the equipment, the chassis must be permanently connected to earth using yellow/green wire rated a minimum of 5.3mm² (10AWG) on SN-XL-Series, 3.31mm² (12AWG) on SN-L-Series/SN6100 and 1.5mm² (16AWG) on SN1100/SN2100/SN3100.
- The equipment shall be connected to the DC mains supply with an approved switch or breaker.
- Only wires with a minimum rating of 5.3mm² (10AWG) on SN-XL-Series, 3.31mm² (12AWG) on SN-L-Series/SN6100 and 1.5mm² (16AWG) on SN1100/SN2100/SN3100 shall be used to connect the equipment to the DC mains supply.

IMPORTANT

Never dismantle your Stormshield appliance, as doing so may cause hardware accidents and/or bodily harm. The appliance should only be dismantled for maintenance operations and only by qualified technicians from an approved Stormshield maintenance center. **A warranty seal protects the integrity of your Stormshield firewall, and breaking it will render your warranty null and void.**
Installation outside a rack: your product must be equipped with its non-slip rubber feet in order to reduce the possibility of your appliance slipping off the surface on which it has been installed.

IMPORTANT - to the attention of maintenance teams

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

IMPORTANT

Do not insert objects into the appliance's vents – this may hinder the rotation of an internal fan or damage it, causing the appliance to overheat. This may also cause a short-circuit that may lead to the breakdown of the appliance.

IMPORTANT

Copper Ethernet cables connected to your Stormshield Firewall must not be connected to other appliances located in other buildings.

PRECAUTIONS FOR INSTALLING THE APPLIANCE

Do not install and/or operate your Stormshield Firewall in any place that flammable objects are stored or used in.
Your Stormshield Firewall is intended for indoor use (office environment or other IT environment), away from areas that may receive rainfall, floods or excessive humidity. It must be installed away from sources of shocks, vibrations, and dust, in an environment where the temperature conforms to the product's specifications.
Avoid in particular direct exposure to sunlight. Always keep an adequate distance around the appliance's vents in order to guarantee a free flow of air, thereby preventing the possibility of overheating.
Do not place objects on your Stormshield appliance.

IMPORTANT

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 not installed and used in accordance with the instruction manual, 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.
This equipment complies with the requirements set out in the European standard EN55032, Class A. In a residential environment, a Class A product may cause radioelectric interference, for which the user may need to take appropriate measures.

PRECAUTIONS FOR RACK MOUNTING

- **Installation kit -** For rack mounting the original installation kit for this device has to be used.
- **Elevated Operating Ambient Temperature -** 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.
- **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.
- **Mechanical Loading -** Mounting of the equipment in the rack should be such that hazardous conditions due to uneven mechanical loading are avoided.
- **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.
- **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).
- **Leakage current -** Considerations should be given to the summation of leakage currents when installing the equipment in a closed or multi-unit rack assembly.

NETWORK CONNECTION

Routing of copper data cables

Keep data cables some distance away from any source of electromagnetic interference such as mains cables, radio transmitters, fluorescent tubes, etc.

NOTE

Ensure that the cables do not obstruct passageways to prevent them from being pulled out or the product from falling.

Connecting Fiber Optic Ethernet

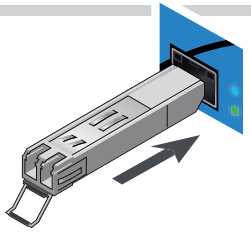
Use the approved **SFP** transceivers for Stormshield firewalls to transfer data in 1GbE, **SFP+** in 10GbE, **SFP28** in 25GbE, **QSFP+** in 40GbE and **QSFP28** in 100GbE.

NOTE

The fiber optic connectors must be LC duplex, except for **QSFP+ SR4 / QSFP28 SR4** transceivers requiring 1x12 MPO connnectors.

IMPORTANT

The transceiver and the optic fiber are equipped with a connector plug. When you plug this optic fiber into the transceiver, remove the connector plugs and keep them away from dust for later use.



IMPORTANT

Do not exceed the bending radius indicated in your optic fiber specifications.

REGULATIONS

RECYCLING

Waste Electrical and Electronic Equipment Directive (WEEE)

RoHS directive: For further information on RoHS compliance or on Stormshield's firewall recycling program (WEEE), please go to:
https://www.stormshield.com/about/recycling/

COMMON CRITERIA

For further information on compliance with Common Criteria certification, go to:
https://documentation.stormshield.eu/common-criteria

CERTIFICATIONS

Part 15 Subpart B

*For further information, please refer to the document **Product Presentation and Installation.***

STORMSHIELD