

SAFETY INSTRUCTIONS AND REGULATORY NOTICES

BEFORE YOU START INSTALLATION OR USE OF THIS PRODUCT, CAREFULLY READ ALL SAFETY INSTRUCTIONS

Applicability
These Safety Instructions and Regulatory Notices apply to:

- Vantiva Cable Modems & Gateways

Using equipment safely

When using this product, always follow the basic safety precautions to reduce the risk of fire, electric shock and injury to persons, including the following:

- Do not use this product during a lightning storm.
- Do not use this product to report a gas leak in the vicinity of the leak.
- Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Used symbols
Following symbols may be found in this and accompanying documentation as well as on the product or accompanying accessories:

Symbol	Indication
	This symbol is intended to alert you that uninsulated voltage within this product may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this product.
	This symbol is intended to alert you of the presence of important operating and maintenance (servicing) instructions in the documentation that is included with your product.
	This symbol indicates for indoor use only (IEC 60417-5957).
	This symbol indicates Double insulated Class II equipment (IEC 60417-5172). Does not require an earth connection.
	This symbol indicates Alternating Current (AC).
	This symbol indicates Direct Current (DC).
	This symbol indicates Electrical polarity.
	This symbol indicates Fuse.

Directives
Product use
You must install and use this product in strict accordance with the manufacturer's instructions as described in the user documentation that is included with your product.
Before you start installation or use of this product, carefully read the content of this document for device specific constraints or rules that may apply in the country where you want to use this product.
If you have any doubts about the installation, operation or safety of this product, please contact your supplier.

Environmental information
Batteries (if applicable)
Batteries contain hazardous substances which pollute the environment. Do not dispose of them with other articles. Take care to dispose them at special collecting points.
Recycle or dispose of batteries in accordance with the battery manufacturer's instructions and local/national disposal and recycling regulations.

Energy efficiency
Energy saving
The user documentation that is included with your product not only provides useful information on all the features of your product, but also on its energy consumption. We strongly encourage you to carefully read this documentation before putting your equipment in service in order to get the best service it can offer you.

Safety instructions

- Read these instructions.
- Keep these instructions.
- Refer all warnings and cautions.
- Follow all instructions.

Climatic conditions
This product:

- Is intended for in-house stationary use; the maximum ambient temperature must not exceed 40 °C (104 °F); the relative humidity must be between 20 and 80 %.
- Must not be mounted in a location exposed to direct or excessive

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Pushing the edge

VANTIVA USA LLC
4855 Peachtree Industrial Blvd., Suite 200,
Norcross, GA 30092 USA.
vantiva.com

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- Must not be exposed to heat trap conditions and must not be subjected to water or condensation.
- Must be installed in a Pollution Degree 2 environment (an environment where there is no pollution or only dry, non-conductive pollution).
- If applicable, batteries (battery pack or batteries installed) must not be exposed to excessive heat such as sunshine, fire or the like.



Ventilation and positioning

This product is intended to be used indoors in a residential or office environment.

- Remove all packaging material before applying power to the product.
- Place and use the product only in positions as described in the user documentation that is included with your product.

In case the product is wall-mountable you can check www.vantivusa.com/regulatory-information for wall mount instructions.

- Never push objects through the openings in this product.
- Do not block any ventilation openings; never stand it on soft furnishings or carpets.
- Leave 7 to 10 cm (3 to 4 inches) around the product to ensure that proper ventilation gets to it.
- Do not install the product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not put anything on it which might spill or drip into it (for example, lit candles or containers of liquids). Do not expose it to dripping or splashing, rain or moisture. If a liquid enters inside the product, or if the product has been exposed to rain or moisture, unplug it immediately and contact your supplier or customer service.

Wall mounting

When the equipment is designed to be wall mount, it must be installed at a height of less than 2m from the finished floor level.

Cleaning

Use this product from the wall socket and disconnect from all other devices before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Water and moisture

Do not use this product near water, for example near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool. Transient exposure of this product from a cold environment to a warm one may cause condensation on some of its internal parts. Allow it to dry by itself before using the product.

Product label

For some products, the label with regulatory and safety information can be found on the bottom of the enclosure.

Electrical powering

The powering of the product must adhere to the power specifications indicated on the marking labels.

Indicate the product is powered by a power supply unit:

- For USA: The product is intended to be supplied by a UL listed Direct Plug in Power Unit marked "Class 2" and rated as indicated on the label on your product.
- This power supply unit must be Class II and a Limited Power Source in accordance with the requirements of IEC 62368-1/EN 62368-1, Annex Q and rated as indicated on the label on your product. It must be tested and approved to national or local standards.

Only use the power supply unit that is supplied with this product, is supplied by your service provider or local product supplier, or a replacement power supply unit provided by your service provider or local product supplier.

Use of other type of power supplier is prohibited
If you are not sure of the type of power supply needed, consult the user documentation that is included with your product or contact your service provider or local product supplier.

Accessibility

The plug on the power supply cord or power supply unit serves as disconnect device. Be sure that the mains supply socket outlet you use is easily accessible and located as close to the product as possible. The power connections to the product and the mains supply socket outlet socket must be accessible at all times, so that you always can disconnect the product quickly and safely from the mains supply. Overloading. Do not overload mains supply socket outlets and extension power cords as this increases the risk of fire or electric shock.

Handling batteries

The product may contain disposable batteries.



CAUTION

There is danger of explosion if the battery is mishandled or incorrectly replaced.

- Do not disassemble, crush, puncture, short the external contacts, dispose of in fire, or expose to fire, water or other liquids.
- Insert batteries correctly. There may be a risk of explosion if the batteries are incorrectly inserted.
- Do not attempt to recharge disposable or non-rechargeable batteries. Please follow instructions provided for charging rechargeable batteries.
- Replace batteries with the same or equivalent type.
- Do not expose batteries to excessive heat (such as sunlight or fire) and to temperatures above 100 °C (212 °F).

Cable Distribution

For this apparatus, the cable shield/screen shall be grounded (earthed) as close as practical to the point of entry of the cable into the building.

For products sold in the USA and Canada: This reminder is provided to call the system installer's attention to ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 809.5, Grounding of Outer Conductor Shield of a Coaxial Cable. The cable distribution system should be grounded (earthed) in accordance with ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 809.5, Grounding of outer Conductor Shield of a Coaxial Cable.

Servicing

To reduce the risk of electric shock or electrocution, do not disassemble this product.



If service or repair work is required, take it to a qualified service dealer.

Damage requiring service

Unplug this product from the mains supply socket outlet and refer service or repair work to be performed under the following conditions:

- When the attached cords are damaged or frayed.
- If liquid has been spilled into the product.
- If the product has been exposed to rain or water.
- If the product has not operated normally.
- If the product has been dropped or damaged in any way.
- There are noticeable signs of overheating.
- If the product exhibits a distinct change in performance.
- If the product is giving off smoke or a burning smell.

Protect the product from moving.

Always disconnect the power source when moving the product or connecting or disconnecting cables.

Interface classifications (upon applicability)

The external interfaces of the product are classified as follows:

- Cable (IN/OUT): Electrical energy source class 1 circuit, not subjected to overvoltages (ES).
- Phone, FXS: Electrical energy source class 2 circuit, not subjected to overvoltages (ES2).
- MoCA, HPLN, RF: Electrical energy source class 1 circuit, not subjected to overvoltages (ES).
- All other interface ports (e.g. Ethernet, USB...), including the low voltage power input from the AC mains power supply: Electrical energy source class 1 circuit (ES1).

Only use the power supply unit that is supplied with this product, is supplied by your service provider or local product supplier, or a replacement power supply unit provided by your service provider or local product supplier.

Use of other type of power supplier is prohibited
If you are not sure of the type of power supply needed, consult the user documentation that is included with your product or contact your service provider or local product supplier.

Regulatory information

North America - United States of America
Federal Communications Commission (FCC) Compliancy statement



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.

Responsible Party - U.S. contact information

Vantiv USA LLC, 4855 Peachtree Industrial Blvd., Suite 200, Norcross, GA 30092 USA, 770-212-9009

FCC ID: Any changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate this equipment.

FCC Part 15B Supplier's Declaration of Conformity

The FCC Part 15B Supplier's Declaration of Conformity (SDoC) for your product is available at the following internet address: www.vantivusa.com/regulatory-information

FCC radio frequency interference statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying FCC RF exposure compliance. To maintain FCC RF exposure compliance, to remain in the FCC RF exposure compliance requirements, please follow operating instruction as documented in the product documentation.

When the product is equipped with a wireless interface, the user becomes a mobile device and must use a circular antenna and must have a separation distance of at least 36 cm between the antenna and the body of the user or nearby persons. In practice, this means that the user or nearby persons must have a distance of at least 36 cm from the product and must not lean on the product in case it is wall-mounted.

With a separation distance of 36 cm or more, the M_(maximum) P_(missible) E_(xposure) limits are well above the potential this wireless interface is capable to produce.

This transmission must not be co-located or operating in conjunction with any other antenna or transmitter.

Restricted Frequency bands

In case this product is equipped with a wireless transceiver operating in the 2.4 GHz band, it can only use channels 1 to 11 (2412 to 2482 MHz) on U.S.A. territory.

In case this product is equipped with a wireless transceiver operating in the 5 GHz band, it meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

The availability of some specific channels and/or operational frequency bands is country dependent and are firmware programmable at the factory for each intended destination. The firmware setting is not accessible by the end user.

Restricted use for 6 GHz band

In case this product is equipped with a wireless transceiver operating in the 6 GHz band, regulations restrict the operation of this device to indoor use only.

The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control or communications with unmanned aircraft systems.

Safety Sheet folded as shown.

