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# PCIe-8363 Safety, Environmental, and Regulatory Information

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# Safety, Environmental, and Regulatory Information

Read this document before you install, configure, operate, or maintain this product. Users are required to familiarize themselves with installation and wiring instructions in addition to requirements of all applicable codes, laws, and standards. Visit [ni.com/manuals](https://ni.com/manuals) for more information about your product, including specifications, pinouts, and instructions for connecting, installing, and configuring your system.

## Icons

Refer to the following descriptions if one of these icons is marked on your product or used in this guide.

 **Notice** —Take precautions to avoid data loss, loss of signal integrity, degradation of performance, or damage to the product.

 **Caution** — Take precautions to avoid injury. Consult the product documentation for cautionary statements when you see this icon printed on the product. Cautionary statements are localized into French for compliance with Canadian requirements.

## Safety Guidelines



### **CAUTION**

Observe all instructions and cautions in the user documentation. Using the product in a manner not specified can damage the product and compromise the built-in safety protection.

### **ATTENTION**

Suivez toutes les instructions et respectez toutes les mises en garde de la documentation d'utilisation. L'utilisation du produit de toute autre façon que celle spécifiée risque de l'endommager et de compromettre la protection de sécurité intégrée.

**CAUTION**

The product will need to be mounted in suitable Fire and Mechanical end product enclosure; Exercise caution when placing the product inside an enclosure. Auxiliary cooling may be necessary to keep the product under the maximum ambient temperature rating for the product. Refer to the product specifications for more information about the maximum ambient temperature rating.

**ATTENTION**

Le produit devra être monté dans un boîtier du produit final répondant aux exigences de résistance mécanique et de protection incendie ; faites preuve de prudence lorsque vous placez le produit dans un boîtier. Un système de refroidissement auxiliaire peut être nécessaire pour maintenir le produit en dessous de sa température nominale maximale. Reportez-vous aux spécifications du produit pour obtenir plus d'informations sur la température nominale maximale.

## EMC Guidelines

This product was tested and complies with the regulatory requirements and limits for electromagnetic compatibility (EMC) as stated in the product specifications. These requirements and limits are designed to provide reasonable protection against harmful interference when the product is operated in its intended operational electromagnetic environment.

This product is intended for use in commercial and light-industrial locations. However, harmful interference may occur in some installations, when the product is connected to a peripheral device or test object, or if the product is used in residential areas. To minimize interference with radio and television reception and prevent unacceptable performance degradation, install and use this product in strict accordance with the instructions in the product documentation.

Furthermore, any changes or modifications to the product not expressly approved by NI could void your authority to operate it under your local regulatory rules.

## EMC Notices

Refer to the following notices for cables, accessories, and prevention measures necessary to ensure the specified EMC performance.

**NOTICE**

For EMC declarations and certifications, and additional information, refer to the [Product Certifications and Declarations](#) section.

**NOTICE**

Changes or modifications to the product not expressly approved by NI could void your authority to operate the product under your local regulatory rules.

**NOTICE**

The performance of this product can be disrupted if subjected to Electrostatic Discharge (ESD) during operation. To prevent damage, industry-standard ESD prevention measures must be employed during installation, maintenance, and operation.

**NOTICE**

This product may become more sensitive to electromagnetic disturbances in the operational environment when test leads are attached or when the product is connected to a test object.

**NOTICE**

Operate this product only with shielded cables and accessories.

**NOTICE**

The length of all I/O cables must be no longer than 7 m (23 ft).

## EMC Standards

This product meets the requirements of the following EMC standards for electrical equipment for measurement, control, and laboratory use:

- EN 61326-1 (IEC 61326-1): Class A emissions; Basic immunity
- EN 55011 (CISPR 11): Group 1, Class A emissions
- AS/NZS CISPR 11: Group 1, Class A emissions
- ICES-001: Class A emissions

**NOTE**

Group 1 equipment is any industrial, scientific, or medical equipment that does not intentionally generate radio frequency energy for the treatment of material or inspection/analysis purposes.

**NOTE**

In Europe, Australia, New Zealand, and Canada (per CISPR 11) Class A equipment is intended for use in non-residential locations.

**CAUTION**

This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

**ATTENTION**

Cet équipement n'est pas destiné à être utilisé dans des environnements résidentiels et peut ne pas fournir une protection adéquate à la réception radio dans de tels environnements.

## Environmental Guidelines

**NOTICE**

Failure to follow the mounting instructions in the product documentation can cause temperature derating.

**NOTICE**

This product is intended for use in indoor applications only.

**NOTICE**

All cabling should be strain-relieved near input connectors. Take care not to directionally bias cable connectors within input connectors when applying strain relief.

## Environmental Characteristics

This product meets the requirements of the following environmental standards for electrical equipment for measurement, control, and laboratory use.

### Temperature

Operating temperature, local <sup>†</sup>	0 to 55 °C (IEC 60068-2-1 and IEC 60068-2-2)
Storage	-20 °C to 70 °C (IEC 60068-2-1 and IEC 60068-2-2)
<b>Humidity</b>	
Operating	10% RH to 90% RH, noncondensing (IEC 60068-2-78)
Storage	5% RH to 95% RH, noncondensing (IEC 60068-2-78)
System slot airflow	0.4 m/s (80 LFM)
Pollution Degree	2



For PCI Express adapter cards with integrated air movers, NI defines the local operational ambient environment to be at the fan inlet. For cards without integrated air movers, NI defines the local operational ambient environment to be 25 mm (1 in.) upstream of the leading edge of the card. For more information about the local operational ambient environment definition for PCI Express adapter cards, visit [ni.com/info](https://ni.com/info) and enter the Info Code `pcielocalambient`.

Maximum altitude	2000 m (800 mbar) at a 25 °C ambient temperature
Indoor use only.	

## Power Requirements

### Power Specifications

Power Rail	Typical Current	Maximum Current
+3.3 V	650 mA	1150 mA
+3.3 VAux	1 mA	10 mA
+12 V	0 A	0 A

## Physical Characteristics

Printed circuit board dimensions	6.7 cm X 7.1 cm (2.64 in. X 2.80 in.)
Weight	43.1 g (1.5 oz)
I/O Connector	18-pin TDP
Form factor	Standard height, half length, single slot
Integrated air mover (fan)	No

## Export Compliance

This product is subject to control under the U.S. Export Administration Regulations (15 CFR Part 730 et. seq.) administered by the U.S. Department of Commerce's Bureau of Industry and Security (BIS) ([www.bis.doc.gov](http://www.bis.doc.gov)) and other applicable U.S. export control laws and sanctions regulations. This product may also be subject to additional license requirements of other countries' regulations.

Additionally, this product may also require export licensing before being returned to NI. The issuance of a Return Material Authorization (RMA) by NI does not constitute export authorization. The user must comply with all applicable export laws prior to exporting or re-exporting this product. See [ni.com/legal/export-compliance](http://ni.com/legal/export-compliance) for more information and to request relevant import classification codes (e.g. HTS), export classification codes (e.g. ECCN), and other import/export data.

## Environmental Management

NI is committed to designing and manufacturing products in an environmentally responsible manner. NI recognizes that eliminating certain hazardous substances from our products is beneficial to the environment and to NI customers.


For additional environmental information, refer to the *Engineering a Healthy Planet* web page at [ni.com/environment](https://ni.com/environment). This page contains the environmental regulations and directives with which NI complies, as well as other environmental information not included in this document.

## EU and UK Customers



**Waste Electrical and Electronic Equipment (WEEE)** —At the end of the product life cycle, all NI products must be disposed of according to local laws and regulations. For more information about how to recycle NI products in your region, visit [ni.com/environment/weee](https://ni.com/environment/weee).

## 电子信息产品污染控制管理办法(中国 RoHS)

 **中国 RoHS** — NI 符合中国电子信息产品中限制使用某些有害物质指令(RoHS)。关于 NI 中国 RoHS 合规性信息, 请登录 [ni.com/environment/rohs\\_china](https://ni.com/environment/rohs_china)。(For information about China RoHS compliance, go to [ni.com/environment/rohs\\_china](https://ni.com/environment/rohs_china).)

## Product Certifications and Declarations

Refer to the product Declaration of Conformity (DoC) for additional regulatory compliance information. To obtain product certifications and the DoC for NI products, visit [ni.com/product-certifications](https://ni.com/product-certifications), search by model number, and click the appropriate link.

## NI Services

Visit [ni.com/support](https://ni.com/support) to find support resources including documentation, downloads, and troubleshooting and application development self-help such as tutorials and examples.

Visit [ni.com/services](https://ni.com/services) to learn about NI service offerings such as calibration options, repair, and replacement.

Visit [ni.com/register](https://ni.com/register) to register your NI product. Product registration facilitates technical support and ensures that you receive important information updates from NI.

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