

# SAFETY, ENVIRONMENTAL, AND REGULATORY INFORMATION

## PXIe-1084

This document contains specific safety information for properly using your PXIe-1084. In order to effectively use the content in this document, you need to be trained in safety protocol for your industry. If you need product certification information, refer to the user manual. For all other compliance information, refer to [ni.com/certification](http://ni.com/certification).

### Conventions

---

You will see safety symbols throughout this document and on your PXIe-1084. All cautions in this document are followed by the French translation in order to meet Canadian compliance requirements.



This icon denotes a notice advising you to take precautions to avoid data loss, loss of signal integrity, or void of guaranteed specifications.



This icon denotes a caution advising you take precautions to avoid injury.



This icon denotes a warning advising you to take precautions to avoid electrical shock.

### Safety

---



**Caution/Prudence** Observe all instructions and cautions in the user documentation. Using the model in a manner not specified can damage the model and compromise the built-in safety protection. Return damaged models to NI for repair.

Suivez toutes les instructions et respectez toutes les mises en garde de la documentation utilisateur. L'utilisation d'un modèle de toute autre façon que celle spécifiée risque de l'endommager et de compromettre la protection de sécurité intégrée. Renvoyez les modèles endommagés à NI pour réparation.

### Electromagnetic Compatibility

---

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

This product is intended for use in 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 or commercial 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 modifications to the product not expressly approved by NI could void your authority to operate it under your local regulatory rules.

### Power Requirements

---

Input voltage range .....	100 VAC to 240 VAC, 50/60 Hz, 10 A to 5 A
	100 VAC to 120 VAC, 440 Hz, 10 A
Operating voltage range <sup>1</sup> .....	90 to 264 VAC
Nominal input frequency .....	50/60 Hz (100 Vac to 240 VAC)
	400 Hz (100 Vac to 120 VAC)
Maximum power consumption .....	650 W
PXI module.....	58 W
Main power disconnect.....	The AC power cable provides main power disconnect. Do not position the equipment so that it is difficult to disconnect the power cord. The front-panel power switch causes the internal chassis power supply to provide DC power to the PXI Express backplane.
Required power cord.....	You must use a suitably rated and certified power cord, minimum 300 VAC, 18 AWG for 220 V to 240 V MAINS, and up to 14 AWG for use at maximum power at 100 VAC to 120 V MAINS. Do not replace the power cord with an inadequately rated cord. Contact NI for availability of suitable cords.

---

<sup>1</sup> The operating range is guaranteed by design.

# Preparing the Environment

---

Use the PXIe-1084 chassis in an environment that meets the following specifications.

Ambient temperature .....	0 °C to 50 °C
Relative humidity range.....	10% to 90%, noncondensing
Cooling	
Module.....	Forced air circulation (positive pressurization) through three 210 CFM fans.
Secondary cooling .....	Forced air circulation (positive pressurization) through one 70 CFM fan.
Power supply .....	Forced air circulation through integrated fan.
Minimum chassis cooling clearances (Refer to the <i>PXIe-1084 User Manual</i> for more information about cooling clearances.)	
Above .....	44.45 mm (1.75 in.)
Rear.....	101.60 mm (4.00 in.)
Sides .....	44.45 mm (1.75 in.)
Maximum Altitude.....	2,000 m (6,560 ft), 800 mbar, (at 25 °C ambient, high fan mode)
Pollution Degree .....	2
Indoor use only.	

## 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 *Minimize our Environmental Impact* web page at [ni.com/environment](http://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.

## Waste Electrical and Electronic Equipment (WEEE)



**EU Customers** 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](http://ni.com/environment/weee).

## 电子信息产品污染控制管理办法（中国 RoHS）

 中国客户 National Instruments 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 National Instruments 中国 RoHS 合规性信息, 请登录 [ni.com/environment/rohs\\_china](http://ni.com/environment/rohs_china)。(For information about China RoHS compliance, go to [ni.com/environment/rohs\\_china](http://ni.com/environment/rohs_china).)

## Maintenance

---

If you need to clean the PXIe-1084, wipe it with a dry towel.

## Worldwide Support and Services

---

The NI website is your complete resource for technical support. At [ni.com/support](http://ni.com/support), you have access to everything from troubleshooting and application development self-help resources to email and phone assistance from NI Application Engineers.

Visit [ni.com/services](http://ni.com/services) for NI Factory Installation Services, repairs, extended warranty, and other services.

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

A Declaration of Conformity (DoC) is our claim of compliance with the Council of the European Communities using the manufacturer's declaration of conformity. This system affords the user protection for electromagnetic compatibility (EMC) and product safety. You can obtain the DoC for your product by visiting [ni.com/certification](http://ni.com/certification). If your product supports calibration, you can obtain the calibration certificate for your product at [ni.com/calibration](http://ni.com/calibration).

NI corporate headquarters is located at 11500 North Mopac Expressway, Austin, Texas, 78759-3504. NI also has offices located around the world. For telephone support in the United States, create your service request at [ni.com/support](http://ni.com/support) or dial 1 866 ASK MYNI (275 6964). For telephone support outside the United States, visit the Worldwide Offices section of [ni.com/niglobal](http://ni.com/niglobal) to access the branch office websites, which provide up-to-date contact information, support phone numbers, email addresses, and current events.

Information is subject to change without notice. Refer to the *NI Trademarks and Logo Guidelines* at [ni.com/trademarks](http://ni.com/trademarks) for more information on NI trademarks. Other product and company names mentioned herein are trademarks or trade names of their respective companies. For patents covering NI products/technology, refer to the appropriate location: **Help>Patents** in your software, the `patents.txt` file on your media, or the *National Instruments Patents Notice* at [ni.com/patents](http://ni.com/patents). You can find information about end-user license agreements (EULAs) and third-party legal notices in the readme file for your NI product. Refer to the *Export Compliance Information* at [ni.com/legal/export-compliance](http://ni.com/legal/export-compliance) for the NI global trade compliance policy and how to obtain relevant HTS codes, ECCNs, and other import/export data. NI MAKES NO EXPRESS OR IMPLIED WARRANTIES AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN AND SHALL NOT BE LIABLE FOR ANY ERRORS. U.S. Government Customers: The data contained in this manual was developed at private expense and is subject to the applicable limited rights and restricted data rights as set forth in FAR 52.227-14, DFAR 252.227-7014, and DFAR 252.227-7015.

© 2018-2021 National Instruments. All rights reserved.