

SAFETY, ENVIRONMENTAL, AND REGULATORY INFORMATION

PXIe-1092

9-Slot PXI Express Chassis

Read this document and the documents listed in the additional resources section about installation, configuration, and operation of this equipment 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.

Regulatory Icons



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



Caution—Take precautions to avoid injury. Consult the model documentation for cautionary statements when you see this icon printed on the model. Cautionary statements are localized into French for C-UL certification.



Warning—Take precautions to avoid electrical shock.

Safety



Caution 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.



Attention 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) 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 residential, commercial, and industrial locations. However, harmful interference may occur in some installations or when the product is connected to a peripheral device or a test object. 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 National Instruments could void your authority to operate it under your local regulatory rules.



Notice Operate this product only with shielded cables and accessories.

Power Requirements

Input rating ¹	100 VAC to 240 VAC, 50/60 Hz, 15 A to 7.5 A, 100 VAC to 120 VAC, 440 Hz, 15 A
Operating voltage range ²	90 VAC to 264 VAC
Nominal input frequency	50/60 Hz/400 Hz ³
Maximum power consumption	
Power supply	988 W
PXI module	58 W, 82 W at reduced environmental ambient temperature
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 220-240 V MAINS, and up to 14 AWG for use at maximum power at 100-120 V MAINS. Do not replace the power cord with an inadequately rated cord. Contact NI for availability of suitable cords.

Preparing the Environment

Use the PXIe-1092 chassis in an environment that meets the following specifications.

Ambient temperature	
Module power ≤58 W	0 °C to 55 °C
Module power >58W	0 °C to 40 °C
Relative humidity range	10% to 90%, noncondensing
Cooling	
Module	Forced air circulation (positive pressurization) through two 210 CFM fans.
Secondary cooling	Forced air circulation (positive pressurization) through one 70 CFM fan.
Power supply	Forced air circulation through two integrated fans.
Minimum chassis cooling clearances (Refer to the <i>PXIe-1092 User Guide</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	4,600 m (15,000 ft.), 570 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. 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.

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。(For information about China RoHS compliance, go to ni.com/environment/rohs_china.)

¹ Care must be taken to not exceed the current rating of the branch circuit providing power to the chassis.

² The operating range is guaranteed by design.

³ 400 Hz operation only supported from 100 VAC to 120 VAC.

Maintenance

If you need to clean the PXIe-1092, wipe it with a dry towel.

Additional Resources

Visit ni.com/manuals for more information about your device, including specifications, pinouts, and instructions for connecting, installing, and configuring your system.

Worldwide Support and Services

The NI website is your complete resource for technical support. At 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 for information about the services NI offers.

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

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

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377586A-01 July 24, 2018