# NI PXI-1031

## 4-Slot 3U PXI Chassis with Universal AC

- Ability to accept both 3U PXI and CompactPCI modules
- HALT-tested design
- Auto/high temperature-controlled fan speed
- Quiet acoustic noise emissions as low as 40 dBA
- 400 W universal AC power supply

## Overview

For engineers and scientists who need a high-power PXI chassis with reduced acoustic noise emissions for office, laboratory, and educational environments, National Instruments offers the NI PXI-1031 4-slot PXI chassis with sound pressure levels as low as 40 dBA (per ISO 7779 at operator position). With its enhanced cooling capacity, 300 W universal AC power supply, and HALT-tested chassis design, the PXI-1031 meets the demanding cooling and power requirements of today's high-performance PXI applications. To configure a system with the PXI-1031, visit ni.com/pxiadvisor.

## Specifications

### Specifications Documents

- Specifications
- Data Sheet

### Specifications Summary

| General | |
| --- | --- |
| Product Name | PXI-1031 |
| Form Factor | PXI Platform |
| Product Type | Chassis |
| PXI Bus Type | PXI Hybrid Compatible |
| Part Number | 778932-01 |
| Operating System/Target | Windows , Real-Time |
| LabVIEW RT Support | Yes |

| Chassis | |
|---|---|
| Power Supply | AC |
| Number of Slots | 4 |
| Number of PXI Peripheral Slots | 3 |
| Number of PXI Express Peripheral Slots | 0 |
| Number of Hybrid Peripheral Slots | 0 |
| Maximum System Bandwidth | 132 MB/s |
| Accepts both 3U PXI and CompactPCI Modules | Yes |
| Optional Front or Rear Rack Mountable | Yes |
| Integrated Controller | No |
| Remote Power Inhibit Control and Voltage Monitoring | No |
| Total Available Power | 400 W |
| Input Voltage Range | 100 V , 240 V |
| Input Frequency Range | 50 Hz , 60 Hz |
| Field-replaceable Power Supply | No |
| Auto Fan Sound Pressure Level | 35 dBA |
| Auto Fan Sound Power | 51.8 dBA |
| High Fan Sound Pressure Level | 50 dBA |
| High Fan Sound Power | 57.5 dBA |
| Auto/High Fan Selector | Yes |
| Number of Fans | 1 |
| Fan Capacity | 86 cfm |
| Per-slot Cooling Capacity | 86 cfm |
| Physical Specifications | |
| Length | 25.71 cm |
| Width | 21.28 cm |
| Height | 17.7 cm |
| I/O Connector | BNC connectors |
| Minimum Operating Temperature | 0 °C |

| | | | |
|---|---|---|---|
| Maximum Operating Temperature | | 50 °C | |
| Maximum Altitude | | 2000 m | |

## Pricing

| Part Number | Description | Est Ship | Czech Koruna* | Qty |
|---|---|---|---|---|
| **NI PXI-1031 Products** | | | | |
| 778932-01 | NI PXI-1031 4-Slot 3U Chassis with Universal AC Power Supply | 5 - 10 | Kč 21,800.00 | 0 |
| 763065-01 | Power Cord, 220V, 10A, Swiss | 5 - 10 | Kč 169.00 | 0 |
| 763067-01 | Power Cord, 240V, 10A, Euro, Right Angle | 5 - 10 | Kč 169.00 | 0 |
| **Accessories** | | | | |
| 778948-01 | PXI-103x and PXIe-107x Rack Mount Kit | 10 - 15 | Kč 3,705.00 | 0 |
| 781482-01 | PXI-103x and PXIe-107x Side handle and rubber feet kit | 10 - 15 | Kč 1,355.00 | 0 |
| 778933-01 | PXI Filler Panel Kit for 4 and 6 slot Chassis | 12 - 20 | Kč 1,135.00 | 0 |
| 778700-01 | PXI EMC Filler Panel Kit, Qty 6 | 10 - 15 | Kč 3,725.00 | 0 |
| 780910-01 | NI PXI-103x Chassis Fan Replacement Kit | 12 - 20 | Kč 1,135.00 | 0 |

* You have selected ?esk? Republika as the country where you will use the product(s). Pricing may have changed since you printed this document on 05/07/2013. Please visit ni.com to see current pricing.

## Place Order or Obtain Quote

Order Online or by Fax

1 . Navigate to ni.com/products and select "Order by Part Number" found under the "Business Center" section.
2 . Once you have added your items to your cart, see the "Your Cart Options" section to place your order, obtain a quote, or print a fax form.

Order by Phone

Call 800 267 267 to place your order or obtain a quote.

## Services

### System Assurance Programs

Reduce your setup time and total cost of ownership, and get a system you can use out of the box with National Instruments system assurance programs. System assurance programs include:

• Installation and integration test of all individual hardware
• Courtesy installation of system driver sets and application development environments
• Extended warranty and calibration coverage for up to five years
• Custom documentation plus a custom restore and startup utility

This service is only available for PXI, NI CompactRIO, and NI Compact FieldPoint systems.

• Learn More about System Configuration and Deployment Services [http://www.ni.com/services/configuration.htm]
• Customize Your CompactRIO System [http://ohm.ni.com/advisors/crio]
• Customize Your Compact FieldPoint System [http://ohm.ni.com/advisors/cfp]

- Customize Your PXI System [http://ohm.ni.com/advisors/pxi]
- Talk to an Expert about Custom System Configurations [javascript:openCallMeWindowCTA(document.referrer,%20'US')]

## Extended Warranties

National Instruments designs and manufactures all products to minimize failures, however unexpected failures can still occur. Extended warranties provide a fixed economical price at the time of system purchase, covering any repair costs for up to three years. In addition, they offer the following benefits:

- Significant cost savings compared to individual repair incidents
- Fault location, diagnostics, and repair by NI any time the system product fails
- All parts and labor costs covered as well as any adjustments needed to restore the hardware to manufacturing specifications

For more information about your warranty options:

- Learn More about Warranty Services [http://www.ni.com/services/warranty.htm]
- Talk to an Expert about Extended Warranties [javascript:openCallMeWindowCTA(document.referrer,%20'US')]
- View Warranty Repair Policies [http://www.ni.com/services/warranty_repair_policies.htm]

## Calibration

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. NI provides manual calibration procedures, services to recalibrate your products, and automated calibration software to calibrate many NI measurement products.

- Learn More about Calibration Services [http://www.ni.com/services/calibration.htm]

## Training

NI training is the fastest, most certain route to productivity with NI tools and successful application development.

- Learn More about NI Training and Certification [http://www.ni.com/training/]
- Find a Course Near You and View Schedules [http://sine.ni.com/tacs/app/fp/p/ap/ov/pg/1/]

## Repair Services

Return your registered product under warranty at no additional labor and parts cost. NI offers fault location, diagnostics, and repair any time the system fails as well as any adjustments needed to restore the hardware to manufacturing specifications.

- Learn More about Repair Services [http://www.ni.com/services/warranty.htm]
- Contact NI to Obtain a Return Material Authorization (RMA) Form and Shipping Instructions [http://sine.ni.com/apps/utf8/nicc.call_me]
- View Your RMA Support Request Status Online [http://www.ni.com/support/servicereq/]
- Register Your Product [http://www.ni.com/register]

## Technical Support

ni.com/support [http://www.ni.com/support/]

# Resources

## Additional Product Information

- Manuals  (9)
- Dimensional Drawings
- Product Certifications

## Related Information

- Why Buy a National Instruments PXI system? Learn about NI PXI Hardware Design Advantages.