As a sponsor member of the PXI System Alliance, ADLINK offers a wide selection of PXI chassis, PXI controllers, digitizers, data acquisition modules, switches, bus expansion products (PCI/PCle-PXI & PXI-PXI), and as GPIB connectivity - with more products on the horizon to provide open hardware and software support for our customers.

Overview

PXI, PCI eXtension for Instrumentation, is a modular instrumentation platform designed exclusively for measurement and automation applications. A single versatile PXI system supports multiple PXI and CompactPCI modules from various vendors. Communication among the modules uses familiar PC-based technologies such as the 132 MB/s PCI bus, allowing high-performance communication that leverages widely available software. PXI also integrates timing and synchronization into the system, so you can pass signals among instruments in high performance and accuracy, without additional wiring.

Based on CompactPCI

The PXI specification, now at revision 2.2 that leverages the CompactPCI specification, defines a rugged Eurocard form factor from PCI. It provides superior mechanical integrity with easy installation and removal of hardware components. PXI products offer greater and more carefully defined levels of environmental performance required by the vibration, shock, temperature, and humidity extremes of industrial and military environments. PXI adds mandatory environmental testing, EMI testing, and active cooling to the CompactPCI mechanical specification to ease system integration and ensure multi-vendor interoperability. The most compelling benefit for PXI, however, is the dominance of PCI-based technologies in the desktop PC marketplace which is served by over 800 suppliers. The result is widespread availability of PCI-based silicon, firmware, drivers, operating systems, and software applications; all of which can be applied cost-effectively in PXI-based systems.

Compact Integration

With PXI modular instrumentation, you can easily integrate the functionalities that you need into a single system. Instrumentation, data acquisition, video capture, motion control, and bus interface modules are only some of the many PXI devices available. Additionally, integration with other system architectures, including GPIB, Serial, and Ethernet systems is easy with PXI. Since PXI is based on standard PC technologies such as Windows and the PCI bus, integrating a PXI system to these systems is typically not different from integrating a PC to these systems. Use these system architectures when you wish to preserve a past investment in hardware, or need functionality not available in PXI.

Trigger and Synchronization

The PXI bus combines the high-speed PCI bus with timing and synchronization designed exclusively for measurement and automation. The PXI trigger bus consists of 8 shared trigger bus lines, a low-skew star trigger line, and a common 10 MHz system reference clock. Using these synchronization features, you can easily deliver trigger, clock, and other electrical signals among PXI modules to have the accurate, high-performance measurement that you need.
**ADLINK PXI/CompactPCI Product Offering**

- 3U/6U Chassis
- 3U/6U Controller
- PCI/PCIe/EC-to-PXI Expansion Kit
- Ethernet/SCSI/VGA/LCD/ATA-100/IEEE-1394 Interface Module
- High-Speed Digitizer
- Multi-Function DAQ Module
- Switch Module
- Digital I/O Module
- Serial Communication Module
- Motion Control Module
- Video Capture Module

**ADLINK PXI Products Benefit**

**Reliability and Compatibility**

PXI is an ideal deployment platform for measurement and automated test systems. Multiple vendors provide a wide array of instrumentation modules, with over 1,500 PXI products currently available. ADLINK sets the compatibility tests as a critical procedure of verifying our products, and we invest in PXI products of other vendors for a complete compatibility test. ADLINK has also passed a 6 sigma assessment, and received ISO-9001 as well as ISO-14001 certification to guarantee highly reliable PXI products.

**Large Selection of PXI Instruments and Modules**

ADLINK TECHNOLOGY INC. provides instrumentation modules for data acquisition, digitizers, digital I/O, and switch multiplexers. In addition to these measurement modules, motion control and vision modules are also available from ADLINK for tight integration of machine automation into PXI chassis. Combining partners’ expertise in Multimeters, RF analyzers and waveform generator, and other modular instruments, ADLINK satisfies the requirements for various applications. ADLINK employs a strategy that makes test and system deployment easier with standard, low-cost, off-the-shelf technologies.

**Cost Effectiveness**

With the advantages of PC industry innovation and manufacturing, and by natively leveraging PC technologies of PXI, ADLINK adopts the latest technology and improves cost reduction. With a rich history in measurement and automation, as well as in hardware design and Windows/Linux specialties, ADLINK provides a wide range of PXI products from PXI platforms and high-performance PXI modules to software development tools for tight integration at reasonable prices.

**Wide Range of Applications**

The merits of PXI mechanical, electrical, and software specifications make PXI ideal for a wide range of applications:

<table>
<thead>
<tr>
<th>Machine Automation</th>
<th>High-Volume Electronic Manufacturing Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC Testing</td>
<td>In-Vehicle Control &amp; Testing</td>
</tr>
<tr>
<td>High-Speed/High-Channel-Count Measurement</td>
<td>Radar/Lidar Systems</td>
</tr>
<tr>
<td>Non-Destructive Test</td>
<td>Digital Image Capture</td>
</tr>
<tr>
<td>Distributed Temperature Sensing</td>
<td>Data Recording</td>
</tr>
</tbody>
</table>
## PXI Controller

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Form Factor</th>
<th>Processor</th>
<th>Memory</th>
<th>HDD</th>
<th>Slot Occupied</th>
<th>Rear I/O</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXI-3950</td>
<td>3U</td>
<td>Core™ 2 Duo T7500 2.2 GHz</td>
<td>4 GB DDR2</td>
<td></td>
<td></td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>PXI-3950/M2G</td>
<td></td>
<td></td>
<td>2 GB DDR2</td>
<td></td>
<td></td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>PXI-3920/1.5G</td>
<td>3U</td>
<td>Pentium® M 760 2.0 GHz</td>
<td>1.5 GB DDR2</td>
<td>SATA 160 GB/7200 RPM</td>
<td>3</td>
<td>Yes</td>
<td>3-5</td>
</tr>
<tr>
<td>PXI-3920</td>
<td>3U</td>
<td>Pentium® M 760 2.0 GHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3-5</td>
</tr>
<tr>
<td>PXI-3910</td>
<td>3U</td>
<td>Celeron® M 373 1.0 GHz</td>
<td>512 MB DDR2 (soldered)</td>
<td></td>
<td></td>
<td></td>
<td>3-5</td>
</tr>
</tbody>
</table>

## PXI Chassis

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Type</th>
<th>Accepted Modules</th>
<th>Slots for Peripheral</th>
<th>Power Supply</th>
<th>LCD Panel</th>
<th>System Monitoring</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PXIS-2506</td>
<td>Bench-top/ Wall-mount</td>
<td>3U PXI/CompactPCI</td>
<td>5 slots</td>
<td>250 W dPCI</td>
<td>8.4&quot; Touch panel 800 x 600</td>
<td></td>
<td>3-14</td>
</tr>
<tr>
<td>PXIS-2508</td>
<td>3U PXI/CompactPCI</td>
<td></td>
<td>7 slots</td>
<td>350 W ATX</td>
<td>800 x 600</td>
<td></td>
<td>3-9</td>
</tr>
<tr>
<td>PXIS-2558T</td>
<td>Bench-top/ Rack-mount</td>
<td>3U PXI/CompactPCI</td>
<td>13 slots</td>
<td>400 W ATX</td>
<td></td>
<td></td>
<td>3-13</td>
</tr>
<tr>
<td>PXIS-2630</td>
<td>Bench-top/ Wall-mount</td>
<td></td>
<td>17 slots</td>
<td>500 W 2U ATX</td>
<td></td>
<td></td>
<td>3-12</td>
</tr>
<tr>
<td>PXIS-2670</td>
<td>Bench-top/ Rack-mount</td>
<td></td>
<td>18 slots</td>
<td>700 W ATX</td>
<td></td>
<td>Yes</td>
<td>3-11</td>
</tr>
<tr>
<td>PXIS-2700</td>
<td>3U PXI/CompactPCI</td>
<td></td>
<td>14 slots</td>
<td>500 W dPCI</td>
<td>15&quot; Touch panel 1024 x 768</td>
<td></td>
<td>3-7</td>
</tr>
<tr>
<td>PXIS-2719</td>
<td>6U PXI/CompactPCI</td>
<td></td>
<td>13 slots</td>
<td>500 W 2U ATX</td>
<td></td>
<td></td>
<td>3-4</td>
</tr>
<tr>
<td>PXIS-2690P</td>
<td>Integrated Portable</td>
<td>3U PXI/CompactPCI</td>
<td>13 slots</td>
<td>500 W 2U ATX</td>
<td></td>
<td></td>
<td>3-15</td>
</tr>
<tr>
<td>PXIS-2680P</td>
<td>3U PXI/CompactPCI</td>
<td></td>
<td>7 slots</td>
<td>Dual 300 W mini-Redundant</td>
<td></td>
<td></td>
<td>3-16</td>
</tr>
</tbody>
</table>
Introduction

The ADLINK PXIS-3320 is a 19” 6U PXI chassis comes with one system slot and 14 peripheral slots that supports both PXI and CompactPCI modules. Compliant with the PXI specifications Rev. 2.2, the PXIS-3320 highlights a star trigger, PXI trigger bus, 10 MHz reference clock, and PXI local bus to facilitate synchronization among multiple peripheral modules. The PXIS-3320 series is equipped with two hot-swappable, industrial-grade 250 W power supply units and LEDs that tell the status of voltage, temperature, and system fans. In addition, two fan decks of PXIS-3320, which generate total 482 CFM air flow, provide the ultimate thermal stability. For applications requiring multiple, multi-standard modules, and robust design, insist on ADLINK PXIS-3320.

Features

- Supports 6U PXI and CompactPCI modules
- PXI specifications Rev. 2.2 compliant
- Provides one system slot and 14 PXI/CompactPCI peripheral slots
- Dual hot-swappable 250 W CompactPCI power supply with universal AC input
- Filtered, forced air-cooling architecture
- Magnetic circuit breaker protection for AC input
- Temperature, voltage, and fan monitoring LEDs
- Optional 1000 W power supply

Specifications

Power Supply

- Form factor: PICMG 2.11 compliant CompactPCI power module
- AC input: 100 to 240 VAC, 50 Hz to 60 Hz
- DC output for each power module: 250 W

<table>
<thead>
<tr>
<th>VDC</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
<td>2.0 A</td>
<td>25.0 A</td>
<td>33.0 A</td>
</tr>
<tr>
<td>+12 V</td>
<td>0.0 A</td>
<td>5.0 A</td>
<td>5.5 A</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>0.0 A</td>
<td>18.0 A</td>
<td>33.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.0 A</td>
<td>0.5 A</td>
<td>1.0 A</td>
</tr>
</tbody>
</table>

Cooling

- Fans for intake: Five 80 mm x 80 mm x 25 mm, dual ball-bearing fans, 48.2 CFM/each
- Fans for ventilation: Five 80 mm x 80 mm x 25 mm, dual ball-bearing fans, 48.2 CFM/each

Physical

- Number of PXI Slots: 15 (1 system slot + 14 peripheral slots)
- Dimensions: 483 mm x 398 mm x 295 mm (W x H x D, without handles)
- Weight: 23 kg (50.6 lbs)

Ordering Information

- PXIS-3320
  15-Slot 6U PXI/CompactPCI Chassis with 500 W Hot-Swappable Power Supply
- PXIS-3320/1000W
  15-Slot 6U PXI/CompactPCI Chassis with 1000 W Hot-Swappable Power Supply

Storage Environment

- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration

- Shock: 15 Gpeak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.5 Gpeak, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 Gpeak, each axis

Recommended System Controller

<table>
<thead>
<tr>
<th>cPCI-6945</th>
<th>PXIS-3320</th>
</tr>
</thead>
</table>

Recommended System Controller

CE Compliance

- Immunity: EN 55024

Emissions Compliance

- EN 55022
- FCC Class A

Operating Environment

- Ambient temperature: 0°C to 45°C
- Relative humidity: 10% to 90%, non-condensing

Other

- EN 55022
- CE
- FCC Class A

**Introduction**

The ADLINK PXI-3900 series of next-generation PXI™ embedded controllers is based on the Intel® Celeron® M, Intel® Pentium® M, or Intel® Core™2 Duo and specifically designed for hybrid PXI-based testing systems by providing a rugged and stable operating environment for a variety of test and measurement applications.

Hybrid PXI-based testing systems are typically composed of a PXI platform and diversified stand-alone instruments for complex testing tasks. The PXI-3900 series provides plenty of interfaces, including GPIB, USB, and COM ports, for connecting and controlling instruments. The PXI-3900 series also provides dual Gigabit Ethernet ports—one for a LAN connection and the other for controlling next-generation LXI instruments.

Combining state-of-art Intel® Core™2 Duo T7500 2.2 GHz processor, the latest GME965 chipset, and 4 GB of 667 MHz DDR2 memory, the PXI-3950 provides two computing engines on a single processor that can execute two independent tasks at the same time in a multi-tasking environment. The PXI-3920 and PXI-3910 are meticulously designed to provide maximum robustness. The CPU and memory chips are soldered on the PCB to increase reliability in shock and vibration prone environments. The aluminum-copper composite heat sink helps to disperse heat uniformly to maintain a stable operating temperature.

Combining a variety of instrument control interfaces and reliable mechanical and electronic design, the ADLINK PXI-3900 series is well qualified to meet the needs of your hybrid PXI-based testing systems.

**Notice**

These PXI™ controllers implement rear I/O PXI™ controllers with rear I/O are designed to operate with a matching rear transition module which provides internal or external chassis I/O.

**Warning**

If these PXI™ controllers are used with a chassis that contains a rear transition module that does not match the controller, the rear I/O functionality may not operate and may cause damage to the PXI™ controller or the rear transition module.
### Specifications

<table>
<thead>
<tr>
<th>Model Name</th>
<th>PXI-3910</th>
<th>PXI-3920</th>
<th>PXI-3950</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core Features</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Intel® Celeron® M 373 1.0 GHz</td>
<td>Intel® Pentium® M 760 2.0 GHz</td>
<td>Intel® Core™2 Duo T7500 2.2 GHz</td>
</tr>
<tr>
<td>FSB</td>
<td>400 MHz</td>
<td>533 MHz</td>
<td>800 MHz</td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® 915 GME Graphic Memory Control HUB</td>
<td>Intel® I/O Controller Hub 6 Mobile (ICH6-M)</td>
<td>Intel® I/O Controller Hub 6 Mobile (ICH6-M)</td>
</tr>
<tr>
<td>Memory</td>
<td>512 MB on-board soldered memory One DDR2 512 MB DIMM socket for memory expansion Supports dual-channel DDR2 SDRAM, 400/533 MHz</td>
<td>4 GB SO-DIMM memory</td>
<td>Supports dual-channel DDR2 SDRAM, 667 MHz</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chipset</td>
<td>Intel® GMA X900 graphic media accelerator</td>
<td>Intel® GMA X3100 graphic media accelerator</td>
<td></td>
</tr>
<tr>
<td>DVI</td>
<td>Single channel TMDS via SDIO to DVI controller up to 1600 x 1200 resolution @ 60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRT</td>
<td>Analog CRT route to DVI connector on the faceplate up to 1280 x 1024 resolution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LVDS (For rear I/O only)</td>
<td>Single 18-bit LVDS channel route to rear transition module Supports LCD backlight control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface</td>
<td>DVI-I connector for digital or analog video signal outputs</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>I/O Connectivity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethernet</td>
<td>On board Marvell™ 88E8053 Dual Gigabit Ethernet controllers Two RJ-45 connectors with speed/link/active LED on the faceplate</td>
<td>Two RJ-45 connectors with speed/link/active LED on the faceplate</td>
<td>Two RJ-45 connectors with speed/link/active LED on the faceplate</td>
</tr>
<tr>
<td>USB</td>
<td>4 x USB 2.0 on the faceplate On-board IEEE488 GPIB controller</td>
<td>On-board IEEE488 GPIB controller</td>
<td>On-board IEEE488 GPIB controller</td>
</tr>
<tr>
<td>GPIB</td>
<td>Micro-D 25-pin connector on the faceplate (ACI-IEEE488-MD1 cable required)</td>
<td>Two 16C550 UART compatible COM ports on the faceplate</td>
<td>Supports RS-232, RS-422 and RS-485, configurable by jumper setting</td>
</tr>
<tr>
<td>Serial Port</td>
<td>Two 16C550 UART compatible COM ports on the faceplate</td>
<td>Supports RS-232, RS-422 and RS-485, configurable by jumper setting</td>
<td>Supports RS-232, RS-422 and RS-485, configurable by jumper setting</td>
</tr>
<tr>
<td>Audio</td>
<td>Supports high definition audio input/output</td>
<td>Supports high definition audio input/output</td>
<td>Supports high definition audio input/output</td>
</tr>
<tr>
<td>Trigger I/O</td>
<td>Two audio jacks on the faceplate for line-in/mic-in and speaker-out</td>
<td>Supports high definition audio input/output</td>
<td>Supports high definition audio input/output</td>
</tr>
<tr>
<td>CompactFlash Socket</td>
<td>SMB connector on the faceplate to route an external trigger signal to/from PXI™ trigger bus</td>
<td>Type II CF Socket, supporting PIO and DMA modes</td>
<td>Type II CF Socket, supporting PIO and DMA modes</td>
</tr>
<tr>
<td><strong>Mechanical and Environmental</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>3U PXI module 60.5 mm x 128.7 mm x 213.2 mm</td>
<td>1 system slot plus 2 controller expansion slots</td>
<td>1 system slot plus 2 controller expansion slots</td>
</tr>
<tr>
<td>Slot Requirements</td>
<td>1 system slot plus 2 controller expansion slots</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>0.9 kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temp.</td>
<td></td>
<td>0 to 55°C</td>
<td></td>
</tr>
<tr>
<td>Storage Temp.</td>
<td></td>
<td>-20 to 80°C</td>
<td></td>
</tr>
<tr>
<td>Relative Humidity</td>
<td></td>
<td>9 to 95%, non-condensing</td>
<td></td>
</tr>
<tr>
<td>Shock</td>
<td>30 G, half-sine, 11 ms pulse duration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vibration</td>
<td>Operating: 5 to 500 Hz, 0.5 G @50 Hz, 3 axes</td>
<td>Non-operating: 5 to 500 Hz, 2.4 G @0 Hz, 3 axes</td>
<td>Non-operating: 5 to 500 Hz, 2.4 G @0 Hz, 3 axes</td>
</tr>
<tr>
<td>Emissions Compliance</td>
<td>EN 61326-1</td>
<td>FCC Class A</td>
<td>EN 61326-1</td>
</tr>
<tr>
<td>CE Compliance</td>
<td>Immunity: EN 61326-1</td>
<td></td>
<td>Immunity: EN 61326-1</td>
</tr>
</tbody>
</table>

### Ordering Information

- **PXI-3950**
  3U PXI Core™ 2 Duo T7500 2.2 GHz System Controller with 4 GB Memory & 160 GB HDD
- **PXI-3950/M2G**
  3U PXI Core™ 2 Duo T7500 2.1 GHz System Controller with 2 GB Memory & 160 GB HDD
- **PXI-3920**
  3U PXI Pentium® M 760 2.0 GHz System Controller with 2 GB Memory & 160 GB HDD
- **PXI-3920/M1.5G**
  3U PXI Pentium® M 760 2.0 GHz System Controller with 1.5 GB Memory & 160 GB HDD
- **PXI-3910**
  3U PXI Celeron® M 373 1.0 GHz System Controller with 512 MB memory & 160 GB HDD
- **ACLI-IEEE488-MD1**
  25-pin Micro-D to GPIB Cable, 1 Meter Length

### Cable Accessory

- **Cable Accessory**
  - PXI-3910: 3U PXI Celeron® M 373 1.0 GHz System Controller with 512 MB memory & 160 GB HDD
  - ACI-IEEE488-MD1: 25-pin Micro-D to GPIB Cable, 1 Meter Length
Introduction

The ADLINK PXIS-2719 is a 3U PXI chassis with a series of advanced features:

• An innovative cooling mechanism to deliver efficient and uniform heat dissipation
• Superior stability within an extended temperature range
• Intelligent chassis management that dynamically monitors and manages fan speed, system voltages, and internal temperature
• Remote management via standard RS-232 monitoring port

The PXIS-2719 is compliant with PXI and CompactPCI specifications and provides one system slot and eighteen peripheral slots. It is designed to meet or exceed application requirements by providing a large slot capacity, extended operating temperature range, and excellent heat dissipation in a lightweight and robust design.

The PXIS-2719 includes an Industrial-grade 700 W AC power supply to provide ample reliable power to the entire system. The PXIS-2719 is designed with an external 10 MHz reference clock input, front panel LED indicators, and easy-access PXI/CompactPCI slots with card guides for convenient installation and use. With innovative features and robust design, the PXIS-2719 is your best choices of PXI platform for all your test and measurement requirements.

Features

- PXI specification Rev. 2.2 compliant
- Rack-mountable 19-slot PXI chassis with one system slot and eighteen PXI/CompactPCI peripheral slots
- Advanced forced-cooling mechanism for efficient and uniform heat dissipation
- External 10 MHz reference clock input via BNC connector
- 0°C to 55°C extended operating temperature range
- Intelligent chassis monitoring/control
  • Automatic fan speed control
  • Chassis status monitoring and exporting
  • Remote chassis power on/off control
- 700 W industrial-grade AC power supply
- Power, temperature and fan monitoring LEDs

Highlights

- Innovative Cooling Mechanism
  The ADLINK PXIS-2719 features an innovative design for heat dissipation. The cooling fans are placed in the rear section of the chassis where cool air is pulled in through apertures on the bottom and exhausted through the back. This new design gives uniform air flow for each PXI slot and exceptional cooling capability. When this chassis is installed in a rack, the new cooling design minimize the drawing in of hot air from the rear area, where all other devices exhaust, while maintaining a steady temperature inside the chassis.

- Intelligent Chassis Management
  The PXIS-2719 has a built-in control board that monitors and manages chassis status, including internal temperature, fan speed, and voltages. Using the RS-232 monitoring port, the chassis status information can be exported to another computer for remote management. The control board can also accept commands from the remote system to allow remote power on/off and fan speed control of the PXIS-2719 chassis.

- Flexible Rack-mount Design
  ADLINK also provides an optional rack-mount kit to allow flexible installation of the PXIS-2719 in a rack. By adjusting the position of rack-mount bracket, the PXIS-2719 can be recessed in a cabinet rack up to 10 centimeters to accommodate external mechanical parts on the front side, such as complicated connectors/wires and mass interconnect modules.
Specifications

Power Supply
- AC Input
  - Input voltage range: 90 to 264 Vac full range
  - Input voltage frequency: 47 to 63 Hz
  - Input current rating: 12 A for 115 Vac
    6 A for 230 Vac
- DC Output
  - Total DC power output 700 W

<table>
<thead>
<tr>
<th>VDC</th>
<th>Minimum</th>
<th>Maximum</th>
<th>Load Regulation</th>
<th>Line Regulation</th>
<th>Maximum Noise &amp; Noise</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
<td>2.5 A</td>
<td>50.0 A</td>
<td>±4%</td>
<td>±1%</td>
<td>50 mV</td>
</tr>
<tr>
<td>+12 V</td>
<td>1.0 A</td>
<td>32.0 A</td>
<td>±5%</td>
<td>±1%</td>
<td>100 mV</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>0 A</td>
<td>4.5 A</td>
<td>±5%</td>
<td>±1%</td>
<td>100 mV</td>
</tr>
</tbody>
</table>

* -12 V is provided by an internal +12 Vdc to -12 Vdc conversion board

Cooling
- Fans: 4 sets of 68 CFM fans
- Per-slot cooling capacity: 25 W
  (verified by 55°C chamber test)

Acoustic Emissions
- Sound Pressure Level (dBA)
  (measured at operator position)
  - Minimal fan speed: 49.7 dB
  - Maximal fan speed: 57.7 dB
* Based in accordance with ISO 7779:1999(Amd.1:2003(E))

Sound Power (dBA)
- Minimal fan speed: 59.8 dB
- Maximal fan speed: 69.1 dB
* Based in accordance with ISO 7779:1999(Amd.1:2003(E))

Physical
- Number of PXI slots: 19
  (1 system slot + 18 peripheral slots)
- Dimensions: 444 mm (W) x 178 mm (H) x 455 mm (D)
- Weight: 13.4 kg (29.5 lbs)

Operating Environment
- Ambient temperature: 0°C to 55°C
- Relative humidity: 10% to 90%, non-condensing

Storage Environment
- Ambient temperature: -20°C to 70°C
- Relative humidity: 10% to 90%, non-condensing

Shock and Vibration
- Functional shock: 30 G, half-sine, 11 ms pulse duration
- Random Vibration
  - Operating: 5 to 500 Hz, 0.31 G rms, 3 axes
  - Non-operating: 5 to 500 Hz, 2.46 G rms, 3 axes

Emissions Compliance
- EN 61326-1
- FCC Class A

CE Compliance
- Safety: EN 61010-1
- Immunity: EN 61326-1

Recommended System Controller

<table>
<thead>
<tr>
<th>PXI-3900 series</th>
<th>PXIS-2719</th>
</tr>
</thead>
</table>

Ordering Information
- PXIS-2719
  3U 19-Slot Smart PXI Chassis with 700 W AC Power Supply
- PXIS-2719 Rack-mount Kit
  Flexible Rack-mount Kit for PXIS-2719

Accessories
- PXIS-2719
- PXI-3900 series
- √
Introduction

The ADLINK PXIS-2508 and PXIS-2558T are new-generation PXI chassis equipped with advanced features and functionalities. Compliant with PXI and CompactPCI specifications, these chassis offer one system slot and seven peripheral slots for more versatile test and measurement computing. Set in a sleek and lightweight chassis for superior portability, the PXIS-2508 and PXIS-2558T also boast of wider operating temperature range, lower operating noise, and robust system build.

Both PXIS-2508 and PXIS-2558T are equipped with an intelligent control board that dynamically monitors and manages the chassis status including the fan speed, system voltages, and internal temperature. A standard RS-232 monitoring port makes remote management possible as chassis status are exported to and viewed from a remote computer using serial communications.

The PXIS-2558T model includes an integrated 8.4” LCD that supports 800 x 600 resolution and touch panel capability. The integrated display allows you to carry the PXI-based testing equipment anytime and anywhere.

Equipped with an industrial grade 350 W AC power supply, the PXIS-2508 and PXIS-2558T also come with front panel LED indicators, and easy-access PXI slots with card guides for convenient installation and deployment. With innovative features and design, PXIS-2508 and PXIS-2558T are your best choices of PXI platform for test and measurement applications.

Notice:
The PXIS-2558T implements rear I/O. PXI chassis with rear I/O are designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

Warning:
If the PXIS-2558T is used with a controller that does not match the rear transition module, the rear I/O functionality may not operate and may cause damage to the PXI controller or the rear transition module.

Features

- Compliant with PXI Specification Rev. 2.2
- Compact 8-slot PXI chassis with one system slot and seven PXI/CompactPCI peripheral slots
- 0°C to 55°C extended operating temperature range
- 41.6 dBA silent operation
- Intelligent chassis management
  - Automatic fan speed control
  - Chassis status monitoring and exporting
  - Remote chassis power on/off control
- 5.9 kg lightweight aluminum-metal construction
- 8.4” built-in LCD with touch panel function (PXIS-2558T only)
- Two USB ports on front panel (PXIS-2558T only)
- 350 W industrial-grade AC power supply
- Power, temperature, and fan monitoring LEDs

Highlights

- Integrated 8.4” LCD with touch panel (PXIS-2558T only)
The PXIS-2558T has a built-in 8.4” LCD display with touch panel functionality and supports an 800 x 600 resolution. The integrated display transforms the chassis into a stand-alone system that is suitable for bench-top and portable applications.

- Intelligent Chassis Management
The PXIS-2508 and PXIS-2558T has a built-in control board that monitors and manages the chassis status, including the internal temperature, fan speed, and DC voltages. Using the RS-232 monitoring port, these chassis statuses may be exported to another computer for remote monitoring. The control board also allows remote system power on/off and fan speed control as it is capable of accepting commands from the remote computer.

- Extended Operating Temperature Range
With two 60 CFM fans and efficient direct convection design, the PXIS-2508 and PXIS-2558T can effectively operate within an extended temperature range of 0°C to 55°C. Chamber test shows that the chassis maintained thermal stability even when subjected to an extremely heavy load and installed at high ambient temperature.
## Silent Operation

Because chassis fans are major sources of operating noise, the PXIS-2508/2558T fan speed is automatically controlled according to the current internal temperature. This enables the chassis to operate at an ultra-silent 41.6 dBA at room temperature.

## Flexible Rack-mount Design

ADLINK also provides an optional rack-mount kit to allow flexible installation of the PXIS-2508/2558T in a rack. By adjusting the position of chassis on the rack-mount kit, the PXIS-2508/2558T can be recessed in a cabinet rack up to 10 centimeters to accommodate external mechanical parts on the front side, such as complicated connectors/wires and mass interconnect modules.

## Specifications

### Power Supply

- **AC Input**
  - Input voltage range: 100 to 240 VAC
  - Input voltage frequency: 50 to 60 Hz
  - Input current rating: 8 A/115 VAC or 4 A/230 VAC
- **DC Output**
  - Total DC power output 350 W

<table>
<thead>
<tr>
<th>VDC</th>
<th>Min Current</th>
<th>Max Current</th>
<th>Load Regulation</th>
<th>Max Ripple &amp; Noise</th>
</tr>
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<tbody>
<tr>
<td>+5 V</td>
<td>3.0 A</td>
<td>15.0 A</td>
<td>±5%</td>
<td>10 mV</td>
</tr>
<tr>
<td>+12 V</td>
<td>10.0 A</td>
<td>18.0 A</td>
<td>±5%</td>
<td>120 mV</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>1.0 A</td>
<td>20.0 A</td>
<td>±5%</td>
<td>50 mV</td>
</tr>
<tr>
<td>-12 V</td>
<td>2.0 A</td>
<td>3.0 A</td>
<td>±5%</td>
<td>120 mV</td>
</tr>
</tbody>
</table>

### Integrated Devices (PXIS-2558T only)

- Display: 8.4" TFT LCD, 800 x 600 resolution
- Input device: Built-in touch panel

### Cooling

- Fans: 2 x 60 CFM fans with filters
- Per-slot cooling capacity: 25 W (verified by 55°C chamber test)

### Acoustic Emission

- Sound Pressure Level (dBA)
  - Minimal fan speed: 41.4 dBA
  - Maximal fan speed: 47.3 dBA

- Sound Power (dBA)
  - Minimal fan speed: 51.9 dBA
  - Maximal fan speed: 55.5 dBA

*The combined output power of +5 V and +3.3 V cannot exceed 25 A.

### Operating Environment

- Ambient temperature: 0°C to 55°C
- Relative humidity: 10% to 90%, non-condensing

### Storage Environment

- Ambient temperature:
  - PXIS-2508: -20°C to 70°C
  - PXIS-2558T: 0°C to 70°C
- Relative humidity: 10% to 90%, non-condensing

### Shock and Vibration

- Functional shock: 30 G, half-sine, 11 ms pulse duration
- Random vibration:
  - Operating: 5 to 500 Hz, 0.5 G RMS, 3 axes
  - Non-operating: 5 to 500 Hz, 2.4 G RMS, 3 axes

### Emissions Compliance

- EN 61326-1
- FCC Class A

### CE Compliance

- Safety: EN 61010-1
- Immunity: EN 61326-1

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## Recommended System Controller

### Ordering Information

- **PXIS-2508**
  3U 8-Slot Smart PXI Chassis with 350 W AC Power Supply

- **PXIS-2558T-B**
  3U 8-Slot Smart PXI Chassis with 8.4” LCD Touch Panel for PXI-3900 Series Controllers

- PXIS-25x8 Rack-mount kit
  Rack-mount Kit for PXIS-2508/2558T
Introduction
The PXIS-2700 is a high-capacity PXI chassis that provides one system and 17 peripheral slots in a standard 19" 4U dimension and supports both PXI and CompactPCI modules. Compliant with PXI specification Rev. 2.2, the PXIS-2700 features a 10 MHz reference clock, start trigger, local bus, and a trigger bus divided into three segments by two PCI bridges.

Promoting operating efficiency, the PXIS-2700 is loaded with a redundant 460 W AC power subsystem to ensure reliable, round-the-clock power supply, and hot-swappable fans which can be removed and replaced even when the system is running. The redundant and hot-swappable solutions considerably reduce MTTR (Mean-Time-To-Repair) and ensure continuous operation. The PXIS-2700 also effectively monitors the system power, temperature, and fans via a chassis-integrated alarm module. The corresponding LED lights up and the buzzer alarms when the system detects a defective power supply or fan module.

Features
- Supports 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 17 PXI/CompactPCI peripheral slots
- Hot-swappable 460 W + 460 W ATX redundant power supply
- Filtered, forced-air cooling architecture
- Temperature, voltage, and fan monitoring LEDs
- Hot-swappable fans design for easy replacement

Specifications

Power Supply
- Form factor: 460 W + 460 W redundant AC power supply
- AC input: 100 to 240 Vac, 50 Hz to 60 Hz
- DC output: 460 W

<table>
<thead>
<tr>
<th>Voc</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
<td>5.0 A</td>
<td>40.0 A</td>
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<td>+12 V</td>
<td>2.5 A</td>
<td>32.0 A</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>1.0 A</td>
<td>30.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.0 A</td>
<td>1.0 A</td>
</tr>
</tbody>
</table>

Cooling
- Fans: Five 80 mm x 80 mm x 15 mm ball-bearing fans in hot-swappable fan trays, 31 CFM/each

Physical
- Number of PXI Slots: 18 (1 system slot + 17 peripheral slots)
- Dimensions: 483 mm x 178 mm x 445 mm (W x H x D) without handles
- Weight: 19 kg (41.8 lbs)

Operating Environment
- Ambient temperature: 0°C to 45°C
- Relative humidity: 10% to 90%, non-condensing

Storage Environment
- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration
- Shock: 15 g peak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.5 G rms, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 G rms, each axis

Emissions Compliance
- EN 55022
- FCC Class A

CE Compliance
- Safety: EN 60950-1
- Immunity: EN 55024

Recommended System Controller
- PXIS-3900 series

Ordering Information
- PXIS-2700
  - 18-Slot 3U PXI/CompactPCI Chassis with 460 W + 460 W Redundant AC Power Supply
- PXIS Spare Fan
  - PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2600 Series
Introduction

The ADLINK PXIS-2670 is a compact 14-slot PXI chassis that provides one system and 13 peripheral slots in a space-saving 483 mm x 178 mm x 258 mm dimension. Supporting both 3U PXI and CompactPCI modules, the PXIS-2670 chassis is compliant with PXI specification Rev. 2.2 and highlights PXI features including a 10 MHz reference clock, start trigger, local bus, and a trigger bus divided into two segments by a single PCI bridge.

Reliable power is supplied to the PXIS-2670 chassis by an industrial-grade 500 W AC power supply. The status of system power supplies, temperature, and fan operations are monitored by a chassis-integrated alarm module. When a failure is detected, the corresponding LED lights up and the buzzer sounds an alarm.

Designed with hot-swappable fan trays, any defective fan may be removed and replaced from the front panel even when the system is running, ensuring uninterrupted operation and reduced MTTR (Mean-Time-To-Repair).

Features

- Most compact 14-slot PXI chassis to date
- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 13 PXI/CompactPCI peripheral slots
- Industrial-grade 500 W ATX power supply
- Hot-swappable fans design for easy replacement
- Filtered, forced-air cooling architecture
- Temperature, voltage, and fan monitoring LEDs

Specifications

Power Supply

- Form factor: 500 W 2U ATX AC power supply
- AC input: 100 to 240 Vac, 50 Hz to 60 Hz
- DC output: 500 W

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+3 V</td>
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<tr>
<td>+12 V</td>
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</tr>
<tr>
<td>+3.3 V</td>
<td>0.0 A</td>
<td>28.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.0 A</td>
<td>0.8 A</td>
</tr>
</tbody>
</table>

Cooling

- Fans: Five 80 mm x 80 mm x 15 mm ball-bearing fans in hot-swappable fan trays, 31 CFM/each

Physical

- Number of PXI Slots: 14 (1 system slot + 13 peripheral slots)
- Dimensions: 483 mm x 178 mm x 258 mm (W x H x D) without handles
- Weight: 14 kg (30.8 lbs)

Operating Environment

- Ambient temperature: 0°C to 50°C
- Relative humidity: 10% to 90%, non-condensing

Storage Environment

- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration

- Shock: 15 Gpeak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.5 G rms, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 G rms, each axis

Emissions Compliance

- EN 55022
- FCC Class A

CE Compliance

- Safety: EN 60950-1
- Immunity: EN 55024

Recommended System Controller

- PXIS-3900 series
- PXIS-2670

Ordering Information

- PXIS-2670
  - 14-Slot 3U PXI/CompactPCI Chassis with 500 W AC Power Supply
- PXIS Spare Fan
  - PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2660 Series
**Introduction**

Prepared for rugged mobility, the ADLINK PXIS-2630 series is a 3U PXI chassis with one system slot and seven peripheral slots. The chassis is compliant with PXI and CompactPCI specifications and accepts both PXI and CompactPCI modules. The PXIS-2630 integrates all PXI features, including a 10 MHz reference clock, start trigger, local bus, and trigger bus.

Reliable power is supplied to the PXIS-2630 chassis by an industrial-grade 400 W AC power supply. The status of system power supplies, temperature, and fan operations are monitored by a chassis-integrated alarm module. When a failure is detected, the corresponding LED lights up and the buzzer sounds an alarm. Designed with hot-swappable fan trays, any defective fan may be removed and replaced from the front panel even when the system is running, ensuring uninterrupted operation and reduced MTTR (Mean-Time-To-Repair). The PXIS-2630 chassis is the best alternative for all your PXI applications.

**Features**

- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and seven PXI/CompactPCI peripheral slots
- Industrial-grade 400 W ATX power supply
- Hot-swappable fans design for easy replacement
- Filtered, forced air-cooling architecture
- Temperature, voltage, and fan monitoring LEDs

**Specifications**

**Power Supply**

- Form factor: 400 W ATX AC power supply
- AC input: 100 to 240 Vac, 50 Hz to 60 Hz
- DC output: 400 W

<table>
<thead>
<tr>
<th>Voltages</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
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<td>35.0 A</td>
</tr>
<tr>
<td>+12 V</td>
<td>1.0 A</td>
<td>20.0 A</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>1.0 A</td>
<td>28.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.0 A</td>
<td>1.0 A</td>
</tr>
</tbody>
</table>

**Cooling**

- Fans: Five 80 mm x 80 mm x 15 mm ball-bearing fans in hot-swappable fan trays, 36 CFM/each

**Physical**

- Number of PXI Slots: 8 (1 system slot + 7 peripheral slots)
- Dimensions: 483 mm x 178 mm x 258 mm (W x H x D) without handles
- Weight: 11 kg (24.2 lbs)

**Operating Environment**

- Ambient temperature: 0°C to 50°C
- Relative humidity: 10% to 90%, non-condensing

**Storage Environment**

- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

**Shock and Vibration**

- Shock: 15 Gpeak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.5 Grms, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 Grms, each axis

**Emissions Compliance**

- EN 55022
- FCC Class A

**CE Compliance**

- Safety: EN 60950-1
- Immunity: EN 55024

**Recommended System Controller**

- PXI-3900 series
- PXI-2630

**Ordering Information**

- PXIS-2630 8-Slot 3U PXI/CompactPCI Chassis with 400 W AC Power Supply
- PXIS Spare Fan PXIS Chassis Spare Fan for PXI-2700 & PXIS-2600 Series
### PXIS-2506

6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module

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**Introduction**

Engineered for convenient mobility, the PXIS-2506 is a 3U compact PXI chassis with one system slot and five peripheral slots. The chassis is compliant with PXI and CompactPCI specifications, accepts both PXI and CompactPCI modules, and equips all peripheral slots with PXI functionalities, including a 10 MHz reference clock, start trigger, local bus, and trigger bus.

The PXIS-2506 chassis features a 250 W AC CompactPCI power module to provide reliable, round-the-clock power to the system. An optional 250 W DC power module is also available for in-vehicle applications. The power supply is modularly designed and is accessible from the front panel to promote easy field replacement and reduced MTTR (Mean-Time-To-Repair). The PXIS-2506 is the ideal chassis of choice for all bench-top and in-vehicle PXI applications.

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**Features**

- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Provides one system slot and five PXI/CompactPCI peripheral slots
- Modular 250 W AC or DC CompactPCI power supply module
- Filtered, forced air-cooling architecture
- Wall-mount kit included

---

**Specifications**

#### Power Supply

- Form factor: PICMG 2.11 compliant CompactPCI power module
- AC input: 100 to 240 VAC, 50 Hz to 60 Hz
- DC output: 250 W

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<th>Typical</th>
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<td>33.0 A</td>
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<td>+12 V</td>
<td>0.0 A</td>
<td>5.0 A</td>
<td>5.5 A</td>
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<tr>
<td>+3.3 V</td>
<td>0.0 A</td>
<td>18.0 A</td>
<td>33.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.0 A</td>
<td>0.5 A</td>
<td>1.0 A</td>
</tr>
</tbody>
</table>

#### Cooling

- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 47.2 CPM/each

#### Physical

- Number of PXI slots: 6 (1 system slot + 5 peripheral slots)
- Dimensions: 221 mm x 178 mm x 237 mm (W x H x D, without wall-mount kit and foot stand)
- Weight: 4.5 kg (9.9 lbs)

#### Operating Environment

- Ambient temperature: 0°C to 50°C
- Relative humidity: 10% to 90%, non-condensing

---

#### Storage Environment

- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

#### Shock and Vibration

- Shock: 15 Gpeak to peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.5 Gms, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 Gms, each axis

#### Emissions Compliance

- EN 55022
- FCC Class A

#### CE Compliance

- Safety: EN 60950-1
- Immunity: EN 55024

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**Recommended System Controller**

- PXI-3900 series
- PXIS-2506

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**Ordering Information**

- PXIS-2506
  - 6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module
- PXIS-2506/DC24
  - 6-Slot 3U PXI/CompactPCI Chassis with 250 W 24 VDC CompactPCI Power Module
Introduction

The ADLINK PXIS-2690P is one of the world’s first highly-integrated, 14-slot portable PXI chassis designed for advanced PXI instrumentation applications. The PXIS-2690P comes with a system slot and 13 peripheral slots that conveniently accommodate multiple PXI modules. The PXI chassis incorporates a bright 15” TFT LCD display with touch panel, keyboard/touchpad, and a slim DVD combo drive into a single frame to provide superior portability and maximum performance.

constructed in high-quality aluminum alloy, the PXIS-2690P delivers a fortified and compact chassis minus the weight. An industrial-grade 500 W AC power supply comes pre-installed to the chassis and offers reliable and stable power to system components and peripheral modules. With three 120 mm x 120 mm x 25 mm system fans, the PXIS-2690P guarantees superb air flow to maintain a cool and efficient operating temperature. The ADLINK PXIS-2690P is an ideal solution for advanced PXI applications requiring portability, robustness, and easy-deployment.

Notice:
The PXIS-2690P implements rear I/O. PXI chassis with rear I/O are designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

Warning:
If the PXIS-2690P is used with a controller that does not match the rear transition module, the rear I/O functionality may not operate and may cause damage to the PXI controller or the rear transition module.

Features

- Ruggedly-designed for portable instrumentation applications
- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 13 PXI/CompactPCI peripheral slots
- 15” high-brightness TFT LCD display with up to 1024x768 resolution
- Multiple input devices, including keyboard, touch pad, and touch panel.
- Built-in slim-type DVD combo drive
- 500 W industrial-grade ATX power supply

Specifications

Power Supply
- Form factor: 500 W 2U ATX AC power supply
- AC input: 100 to 240 Vac, 50 Hz to 60 Hz
- DC output: 500 W

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
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<td>+12 V</td>
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<td>+3.3 V</td>
<td>0.3 A</td>
<td>28.0 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.1 A</td>
<td>0.8 A</td>
</tr>
</tbody>
</table>

Integrated Devices
- Display: 15” TFT LCD, up to 1024 x 768 resolution
- Input device:
  - 87-key keyboard with touchpad
  - Built-in 15” touch screen
- DVD drive: slim-type DVD combo drive

Cooling
- Fans: Three 120 mm x 120 mm x 25 mm ball-bearing fans, 74.5 CFM/each

Physical
- Number of PXI Slots: 14 (1 system slot + 13 peripheral slots)
- Dimensions: 400 mm x 291 mm x 223.3 mm (W x H x D, without fan frame)
- Weight: 12.5 kg (27.5 lbs)

Recommended System Controller

<table>
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<tr>
<th>Recommended System Controller</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended System Controller</td>
</tr>
<tr>
<td>PXI-3900-B</td>
</tr>
</tbody>
</table>

Ordering Information

- PXIS-2690P-B: 14-Slot 3U integrated Portable PXI Chassis for PXI-3900 Series Controller (shipped with top cover & a carriage bag)

Operating Environment
- Ambient temperature: 0°C to 50°C
- Relative humidity: 10% to 90%, non-condensing

Storage Environment
- Ambient temperature: -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration
- Shock: 10 Gpeak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.31 G rms, each axis
  - Non-operating: 5 Hz to 500 Hz, 2.46 G rms, each axis

Emissions Compliance
- EN 55022
- FCC Class A

CE Compliance
- Immunity: EN 55022
PXIS-2680P
8-Slot 3U Integrated Portable PXI Chassis with Dual-300 W Mini-Redundant AC Power Supply

Introduction
Perfect for portable, rugged, and highly-mobile applications, the ADLINK PXIS-2680P is a 3U PXI instrumentation chassis with 8-slot capacity for both PXI/CompactPCI modules and comprehensive PXI functionalities. It features a PXI trigger bus, star trigger, 10 MHz reference clock, and local bus for instrumentation applications. Equipped with 15” LCD touch screen and multiple input devices, the ADLINK PXIS-2680P does not require any other wiring when deployed with ADLINK’s PXI-3800 system controller. From a built-in DVD combo drive that features high-speed data recording and backup, to a pair of 300 W mini-redundant power modules, the PXIS-2680P is suitable for laboratory, power industry, military, and communication applications on or off the road.

Notice:
The PXIS-2680P implements rear I/O. PXI chassis with rear I/O are designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

Warning:
If the PXIS-2680P is used with a controller that does not match the rear transition module, the rear I/O functionality may not operate and may cause damage to the PXI controller or the rear transition module.

Features
- Designed for portable PXI instrumentation applications
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 7 PXI/CompactPCI peripheral slots
- Two hot-swappable 300 W ATX power supplies with redundancy
- High-brightness 15” TFT LCD display with 1024x768 resolution
- Multiple input devices including keyboard, touch pad, and touch panel
- Built-in slim-type DVD combo drive

Specifications
Power Supply
- Form factor: Dual-300 W mini-redundant, hot-swappable
- AC power supply
- AC input: 100 to 240 Vac, 50 Hz to 60 Hz
- DC output: 300 W

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5 V</td>
<td>3.0 A</td>
<td>35.0 A</td>
</tr>
<tr>
<td>+12 V</td>
<td>2.0 A</td>
<td>15.0 A</td>
</tr>
<tr>
<td>+3.3 V</td>
<td>1.0 A</td>
<td>24.8 A</td>
</tr>
<tr>
<td>-12 V</td>
<td>0.1 A</td>
<td>0.8 A</td>
</tr>
</tbody>
</table>

Integrated Devices
- Display: 15” TFT LCD, up to 1024 x 768 resolution
- Input devices:
  - 108-key keyboard with touchpad
  - Built-in 15” touch screen
- DVD drive: slim-type DVD combo drive

Cooling
- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 41 CFM each

Physical
- Number of PXI slots: 8 (1 system slot + 7 peripheral slots)
- Dimensions: 400 mm x 291 mm x 223.3 mm
- (W x H x D, without fan frame)
- Weight: 12 kg (26.4 lbs)

Operating Environment
- Ambient temperature: 0°C to 50°C
- Relative humidity: 20% to 90%, non-condensing

Storage environment
- Ambient temperature: -20°C to 70°C
- Relative humidity: 10% to 90%, non-condensing

Shock and Vibration
- Shock: 10 Gpeak-to-peak, 11 ms duration
- Random Vibration:
  - Operating: 5 Hz to 500 Hz, 0.31 G Rms, each axis
  - Non-operating: 5 Hz to 500 Hz, 2.46 G Rms, each axis

Emissions compliance
- EN 55022
- FCC Class A

CE compliance
- Safety: EN 60950
- Immunity: EN 55024

Recommended System Controller
- PXI Chassis: PXI-3900 series
- PXIS-2680P-B

Ordering Information
PXIS-2680P-B
8-slot 3U Integrated Portable PXI Chassis for PXI-3900 Series Controller (shipped with a carriage bag)