Selection Guide

PXI Chassis

	Model Name	Type	Accepted Modules	Slots for Peripheral	Power Supply	LCD Panel	System Monitoring	Page
	PXIS-2506	Bench-top/ Wall-mount		5 slots	250 W cPCI Power Module			1-14
	PXIS-2508			7 slots	350 W ATX		Yes	1-9
	PXIS-2558T			7 slots	350 W ATX	8.4" Touch panel 800 x 600		1-9
	PXIS-2630	Bench-top/ Rack-mount	3U PXI/CompactPCI		400 W ATX			1-13
	PXIS-2670			13 slots	500 W 2U ATX			1-12
	PXIS-2700			17 slots	Dual 460 W Redundant			1-11
	PXIS-2719			18 slots	700 W ATX			1-7
	PXIS-2690P	Integrated Portable		13 slots	500 W 2U ATX	15" Touch panel 1024 x 768		1-15
	PXIS-2680P			7 slots	Dual 300 W mini-Redundant			1-16

PXI Chassis

PXIS-2719

3U 19-Slot Smart PXI Chassis with 700 W AC Power Supply

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.
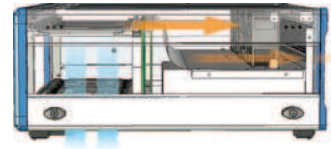
■ Intelligent Chassis Management

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.
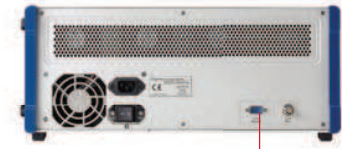
Remote Monitoring Port

■ 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

VDC	Minimum	Maximum	Load Regulation	Line Regulation	Maximum Ripple & Noise
+5 V	2.5 A	50.0 A	±4%	±1%	50 mV
+12 V	1.0 A	32.0 A	±5%	±1%	100 mV
+3.3 V	1.0 A	45.0 A	±5%	±1%	50 mV
-12 V*	0 A	4.5 A	±5%	±1%	100 mV

* -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 Level1 (dBA)

(measured at operator position)

Minimal fan speed	49.7 dB
Maximal fan speed	57.7 dB

Tested 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

Tested 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 Grms, 3 axes
- Non-operating: 5 to 500 Hz, 2.46 Grms, 3 axes

Emissions Compliance

■ EN 61326-1

■ FCC Class A

CE Compliance

■ Safety: EN 61010-1

■ Immunity: EN 61326-1

Recommended System Controller

	PXIS-2719
PXI-3900 series	√

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

PXIS-2508/2558T

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

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**

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.

PXIS-2508 Front View

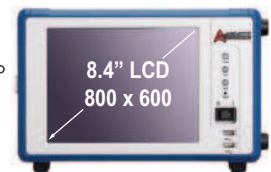PXIS-2558T Back View

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.

8.4" LCD
800 x 600

■ 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.
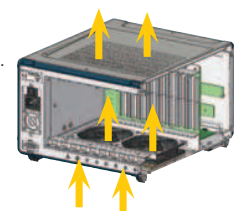
Silent Operation

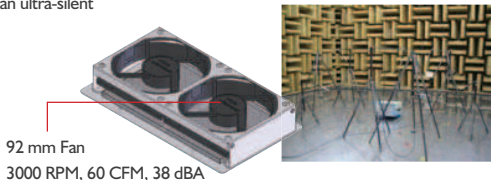Because chassis fans are major sources of operating noise, the PXIS-2508/2558T fan speed is automatically controlled according to the current internal temperature. This enables the chassis to operate at an ultra-silent 41.6 dBA at room temperature.

92 mm Fan
3000 RPM, 60 CFM, 38 dBA

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

VDC	Minimum	Maximum	Load Regulation	Maximum Ripple & Noise
+5 V	3.0 A	35.0 A	±5%	50 mV
+12 V	2.0 A	18.0 A	±5%	120 mV
+3.3 V	1.0 A	20.0 A	±5%	50 mV
-12 V	0.1 A	2.0 A	±10%	150 mV

The combined output power of +5 V and +3.3 V cannot exceed 35 A.

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	41.6 dB
Maximal fan speed	47.3 dB

The combined output power of +5 V and +3.3 V cannot exceed 35 A.

- Sound Power (dBA)

Minimal fan speed	51.9 dB
Maximal fan speed	55.5 dB

Tested in accordance with ISO 7779:1999/Amd. 1:2003(E)

Physical

- Number of PXI slots: 8
  (1 system slot + 7 peripheral slots)
- Dimensions:
  - 280 mm x 177 mm x 303 mm (W x H x D)
- Weight:
  - PXIS-2508: 5.9 kg (13 lbs)
  - PXIS-2558T: 6.4 kg (14 lbs)

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 GRMS, 3 axes
  - Non-operating: 5 to 500 Hz, 2.46 GRMS, 3 axes

Emissions Compliance

- EN 61326-1
- FCC Class A

CE Compliance

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

Recommended System Controller

	PXIS-2508	PXIS-2558T-B
PXI-3900 series	√	√

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

PXIS-2700

18-Slot 3U PXI/CompactPCI Chassis with 460 W + 460 W Redundant AC Power Supply

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.

Hot-swappable fans for easy replacement

460 W + 460 W redundant AC power supply

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 V$_{AC}$, 50 Hz to 60 Hz
- DC output: 460 W

V$_{DC}$	Minimum	Maximum
+5 V	5.0 A	40.0 A
+12 V	2.5 A	32.0 A
+3.3 V	1.0 A	30.0 A
-12 V	0.0 A	1.0 A

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: 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-2700
PXI-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

PXIS-2670

14-Slot 3U PXI/CompactPCI Chassis with 500 W AC Power Supply

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).

Hot-swappable fans for easy replacement

Voltage, temperature, and fan monitoring LEDs

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 V_{AC}, 50 Hz to 60 Hz
- DC output: 500 W

V_{DC}	Minimum	Maximum
+5 V	1.0 A	50.0 A
+12 V	0.0 A	35.0 A
+3.3 V	0.0 A	28.0 A
-12 V	0.0 A	0.8 A

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: 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 $G_{peak-to-peak}$, 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-2670
PXI-3900 series	√

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-2600 Series

PXIS-2630

8-Slot 3U PXI/CompactPCI Chassis with 400 W AC Power Supply

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

Hot-swappable fans for easy replacement

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

VDC	Minimum	Maximum
+5 V	2.5 A	35.0 A
+12 V	1.0 A	20.0 A
+3.3 V	1.0 A	28.0 A
-12 V	0.0 A	1.0 A

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

	PXIS-2630
PXI-3900 series	√

Ordering Information

- **PXIS-2630**
  8-Slot 3U PXI/CompactPCI Chassis with 400 W AC Power Supply

- **PXIS Spare Fan**
  PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2600 Series

PXIS-2506

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

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.
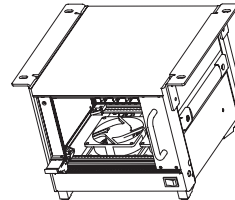
Features

- 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
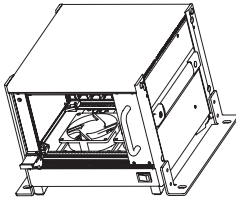
Wall Mount on the Bottom
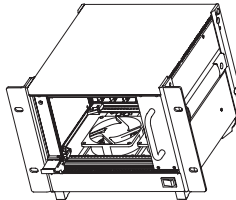
Wall Mount on the System Side

Wall Mount on the Top

Specifications

Power Supply

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

V_{DC}	Minimum	Typical	Maximum
+5 V	2.0 A	25.0 A	33.0 A
+12 V	0.0 A	5.0 A	5.5 A
+3.3 V	0.0 A	18.0 A	33.0 A
-12 V	0.0 A	0.5 A	1.0 A

Cooling

- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 47.2 CFM/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 $G_{peak-to-peak}$, 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-2506
PXI-3900 series	√

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 V_{DC} CompactPCI Power Module

PXIS-2690P

14-Slot 3U Integrated Portable PXI Chassis with 500 W AC Power Supply

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**

Top cover to protect PXI/cPCI modules and wirings

Specifications

Power Supply

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

V_{DC}	Minimum	Maximum
+5 V	3.0 A	50.0 A
+12 V	2.0 A	35.0 A
+3.3 V	0.3 A	28.0 A
-12 V	0.1 A	0.8 A

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: 13 kg (28.6 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: 10 G_peak-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 55024

Recommended System Controller

	PXIS-2690P-B
PXI-3900 series	√

Ordering Information

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

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-2608P does not require any other wiring when deployed with ADLINK's PXI-3900 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**

Hot-Swappable Redundant Power Supply

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

VDC	Minimum	Maximum
+5 V	3.0 A	30.0 A
+12 V	2.0 A	15.0 A
+3.3 V	0.3 A	24.0 A
-12 V	0.1 A	0.8 A

Integrated Devices

- Display: 15" TFT LCD, up to 1024 x 768 resolution
- Input device:
  - 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, 39.5 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: 11.5 kg (25.3 lbs)

Operating Environment

- Ambient temperature: 0℃ to 50℃
- Relative humidity: 20% to 90%, non-condensing

Storage environment

- Ambient temperature: -20℃ to 70℃
- 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 GRMS, each axis
  - Non-operating: 5 Hz to 500 Hz, 2.46 GRMS, each axis

Emissions compliance

- EN 55022
- FCC Class A

CE compliance

- Safety: EN 60950
- Immunity: EN 55024

Recommended System Controller

	PXIS-2680P-B
PXI-3900 series	√

Ordering Information

■ **PXIS-2680P-B**

8-slot 3U Integrated Portable PXI Chassis for PXI-3900 Series Controller (shipped with a carriage bag)