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.

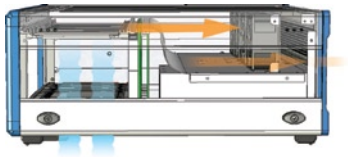
Features

- **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 minimizes 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	+5 / -3%	±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 / -3%	±1%	50 mV
-12 V*	0 A	4.75 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

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