PXIS-2508

8-Slot 3U PXI Chassis with AC



Introduction

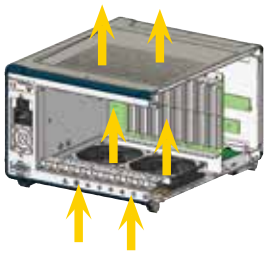
The ADLINK PXIS-2508 is the PXI chassis equipped with advanced features and functionalities. Compliant with PXI and CompactPCI specifications, these chassis offer one system slot and seven peripheral slots for more versatile test and measurement computing. Set in a sleek and lightweight chassis for superior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

The PXIS-2508 is 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.

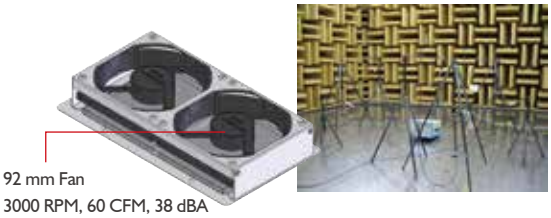
Equipped with an industrial grade 350 W AC power supply, the PXIS-2508 also come with front panel LED indicators, and easy-access PXI slots with card guides for convenient installation and deployment. With innovative features and design, PXIS-2508 is your best choices of PXI platform for test and measurement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

Features

- **PXI Hardware Specification Rev. 2.2 compliant**
- **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**
- **350 W industrial-grade AC power supply**
- **Power, temperature, and fan monitoring LEDs**



Extended Operating Temperature Range



92 mm Fan
3000 RPM, 60 CFM, 38 dBA

Silent Operation

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	±5%	120 mV

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 slots: 8
  (1 system slot + 7 peripheral slots)
- Dimensions:
  - 280 mm (W) x 177 mm (H) x 303 mm (D)
    (10.9" x 6.9" x 11.8")
- Weight:
  - 5.9 kg (13 lbs)

Operating Environment

- Ambient temperature: 0°C to 55°C (32°F to 131°F)
- Relative humidity: 10% to 90%, non-condensing

Storage Environment

- Ambient temperature:
  - -20°C to 70°C (-4°F to 158°F)
- 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
PXI-3980/3950	√

Ordering Information

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

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Updated September 23, 2014. ©2014 ADLINK Technology, Inc. All Rights Reserved. All specifications are subject to change without further notice.