

PXIS-3320

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



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

| VDC | 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 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)

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

- Immunity: EN 55024

Recommended System Controller

| | PXIS-3320 |
|-----------|-----------|
| cPCI-6965 | √ |

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



PXIS-3320 Back View



PXIS-3320/1000W

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Software & Utilities

2

DAQ

3

PXI

4

Modular Instruments

5

GPIB & Bus Expansion

6

Motion Control

7

Real-time Distributed I/O

8

PAC

9

Remote I/O

10

Communications

11

Vision

12

Fanless Embedded Computers

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cPCI & Industrial Computers