PXES-2305

5-Slot All-Hybrid 3U PXIe chassis with integrated extension controller and AC power with up to 250MB/s system bandwidth

Features

- Entry-level platform with integrated extension controller ideally balances performance and price point
- Replaceable modular cooling fan reduces maintenance requirements
- High per-slot cooling capacity up to 38W
- Intelligent chassis management with automatic fan speed control and temperature/power status monitoring
- System bandwidth up to 250MB/s & peripheral bandwidth up to 250MB/s for all slots
- Low fan noise 35.3 dBA at ambient 25 °C





Introduction

The ADLINK PXES-2305 compact 5-slot PXI Express chassis with integrated extension controller is compliant with PXI Express and cPCI Express specifications, providing five hybrid peripheral slots to support a wide variety of enhanced-bandwidth testing and measurement applications. The hybrid-slot design accepts installation of CompactPCI, PXI, CompactPCI Express, and PXI Express modules in any peripheral slot for maximum flexibility. Based on a PXI Express chassis with 250MB/s system bandwidth, the PXES-2305's peripheral slots are all connected with PCIe x1, slot bandwidth up to 250MB/s. The PXES-2305 also implements a smart system monitoring controller, reporting full chassis status including fan speed, system voltages, and internal temperature.

The PXES-2305's built-in PCI-Express extension chassis controller connector enables remote control of the chassis when a PCIe-8560 host card is connected via a PCI-Express extension cable.
The compact, rugged, half-rack size with efficient construction suits the PXES- 2305 for portable use with minimal space requirements, and industrial grade AC power supply delivers 320W performance under 50°C, with superior cooling capacity. All in all, the PXES-2305 delivers an ideal PXI Express platform choice for practically any testing and measurement operation.

Ordering Information

- **PXES-2305**
  PXES-2305 3U 5-slot PXIe chassis with PCIe control interface
- **PCIe-8560**
  PCI Express –to-PXI expansion interface card for host PC
- **ACL-EXPRESS-3**
  High-speed expansion cable, 3M

Optional Accessories

- **PXES-2301 rack-mount Kit**
  Flexible rack-mount kit for PXES-2301
- **ACL-EXPRESS-1**
  High-speed expansion cable, 1M
- **ACL-EXPRESS-5**
  High-speed expansion cable, 7M

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Specifications

Power Supply

- **AC Input**
  - Input voltage range: 100 to 240 VAC
  - Input voltage frequency: 47 to 63 Hz
- **DC Output**
  - 320W max. total usable power

VDC	Maximum	Load Regulation	Maximum Ripple & Noise
+5 V	20 A	±5%	50 mV
+12 V	30 A	±5%	120 mV
+3.3 V	20 A	±5%	5 mV
-12 V	0.8 A	±5%	120 mV

Bus Interface

- PXI Express chassis
- Up to 250 MB/s system bandwidth
- Up to 250 MB/s peripheral bandwidth for all slots

Rear-mounted I/O

- Fan speed selector switch

Cooling

- 2 x 100.21 CFM fans
- 38W per-slot cooling capacity

Physical

- 1 integrated PCIe extension controller + 5 peripheral slots
- 220.8mm (D) x 319.6mm (W) x 177.8mm (H)
- 6.5 kg

Operating Environment

- Ambient temperature: 0°C to 50°C (32°F to 122°F)
- Relative humidity: 20 to 80%, non-condensing

Storage Environment

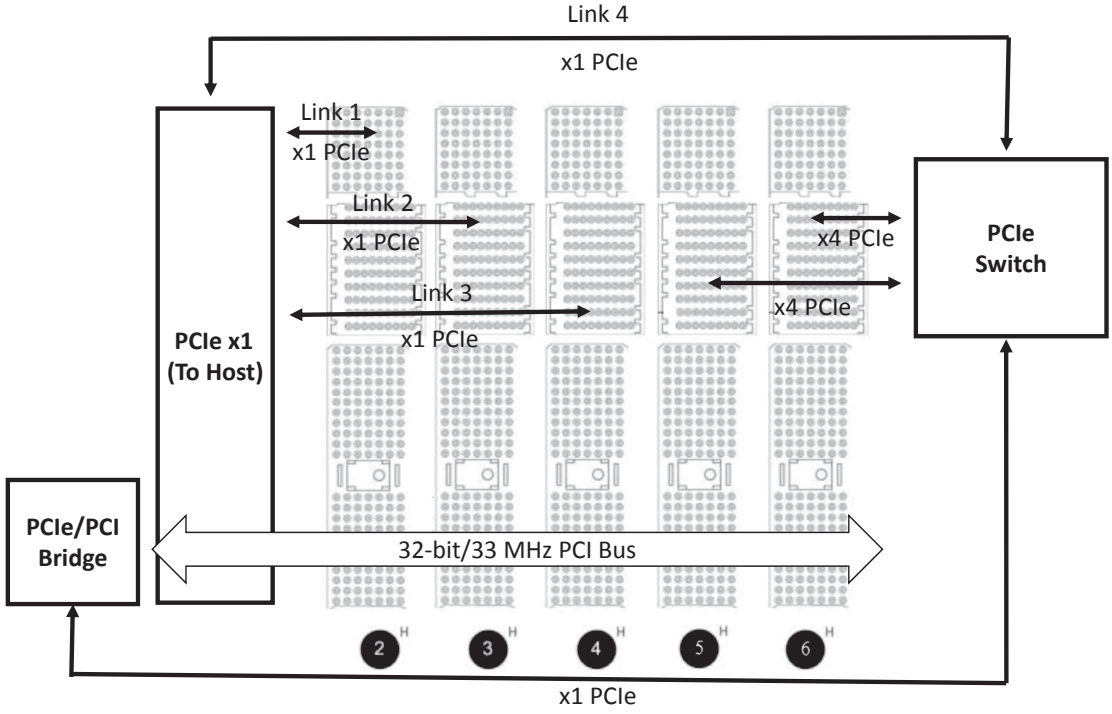
- Ambient temperature: -20˚C to 70˚C (-4˚F to 158˚F)
- Relative humidity: 10% to 90%, non-condensing

Shock and Vibration

- Functional shock: 30 G, half-sine, 11 ms pulse duration
- Random vibration:
  - Operating: 5 to 500 Hz, 0.21 grms, 3 axes
  - Non-operating: 5 to 500 Hz, 2.46 grms, 3 axes

Emissions Compliance

- EN 61326-1
- FCC Class A



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