

PXES-2301

6 All-Hybrid Slot 3U PXIe Chassis; AC Powered with Up to 8GB/s System Bandwidth

Features

- Entry level platform provides an ideal balance between performance and price point
- Compact half-rack with bi-directional setup for portable application in a wide variety of testing environments
- 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 8GB/s & peripheral bandwidth up to 2GB/s for all slots



Introduction

The ADLINK PXES-2301 compact 6-slot PXI Express chassis, compliant with PXI Express and cPCI Express specifications, provides one system slot with three expansion slots and five hybrid peripheral slots, supporting 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. Built on a four-link PXI Express chassis with 8GB/s system bandwidth, the PXES-2301's peripheral slots are all connected with PCIe gen2 x4, with slot bandwidth up to 2GB/s. The PXES-2301 implements a smart system monitoring controller, reporting full chassis status including fan speed, system voltages, and internal temperature.

The compact, rugged, half-rack size with efficient construction uniquely suits the PXES-2301 for portable use with minimized space requirements. An industrial grade AC power supply delivers 320W performance under 50°C, with superior cooling capacity. All in all, the PXES-2301 is an ideal PXI Express platform choice for practically any testing and measurement operation.

Ordering information

- **PXES-2301**
6-Slot 3U PXI Express Chassis with AC - Up to 8GB/s, All Hybrid peripheral slots and universal AC power supply

Optional Accessories

- **Side handle and rubber foot kit**
For vertically oriented deployment
- **PXES-2301 Rack-M Kit**
Flexible rack-mount kit for PXES-2301

Specifications

Power Supply

- **AC Input**

- Input voltage range: 100 to 240VAC
- Input voltage frequency: 47 to 63Hz

- **DC Output**

Maximum 320W total usable power

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

+5V AND +3.3V total Max.:40A

Bus Interface

- Four-link capacity PXI Express chassis
- Up to 8GB/s system bandwidth
- Up to 2 GB/s peripheral bandwidth for all slots

IO/Switch on Rear Panel

- Fan speed selector switch

Cooling

- Fans: 2 x 100.21 CFM fans
- Per-slot cooling capacity: 38W

Physical

- **Number of slots:**

- 1 system slot
- + 5 peripheral slots

- **Dimensions:**

220.8mm (D) x 319.6mm (W), 177.8mm (H)

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

CE Compliance

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

Recommended System Controller

	PXES-2301
PXIe-3935/3975/3985	√