

PXIS-2630

8-Slot 3U PXI/CompactPCI Instrument Chassis with 400W ATX AC Power Supply

Features

- Accepts both 3U PXI and CompactPCI modules
- One system slot and 7 PXI/CompactPCI peripheral slots
- PXI specifications Rev. 2.0 compliant
- IEEE 1101.10 mechanical packaging compliant
- Filtered, forced-air cooling
- 400 W ATX power supply
- Temperature, voltage and fan monitoring LED
- 4U high rackmount and benchtop installation
- OEM version (PXIS-2650) supports 6.4" LCD display
- OEM version (PXIS-2650T) supports touch panel with 6.4" LCD display

Introduction

ADLINK PXIS-2630 is a 19" 3U PXI chassis providing 7 PXI peripheral slots in a system. The chassis are compliant with the PXI and CompactPCI specifications. Both PXI and CompactPCI modules could be used in the chassis. Coming with the PXI specifications, the internal 10 MHz reference clock is available on all of the 7 PXI slots, as well as the functionalities of star trigger, PXI trigger bus and PXI local bus.

The PXIS-2630 is equipped with industrial grade 400 W ATX power supply to provide reliable and cost effective power to the system. The status of system power supply, temperature and cooling fans are monitored by the alarm module assembled in the chassis. Once a failure is detected, a LED and buzzer will be actuated. The failure fans can be removed from the front panel and hot swappable, which can effectively reduce MTTR (Mean-Time-To-Repair).

ADLINK also provides OEM version (PXIS-2650 & PXIS-2650T) for customized applications. The PXIS-2650 provides a 6.4" LCD display, and the PXIS-2650T provides additional touch panel with the 6.4" LCD display. The PXD-3710 (3-slot version, without floppy disk drive), PXD-3710F (4-slot version, with floppy disk drive), and PXD-R3000 (rear I/O transition module for PXD-3710/3710F) are designed to fit in the 2650/2650T chassis. With all the powerful design, the PXIS-2630/2650/2650T chassis are ideal for high performance and medium size applications.



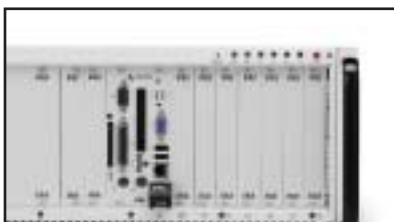
PXIS-2630 Front



PXIS-2630 Back



PXIS-2650 Front



Temperature, Voltage and Fan Monitoring LED



Removable Fan

Specifications

The PXIS-2630 complies with PXI specifications and accepts modules compliant with CompactPCI, PICMG 2.0 specifications.

Electrical

- AC Power Supply
 - • APS-940XA, ATX power supply
 - • Input voltage: 90-132 V_{AC} or 190-260 V_{AC}, auto ranged
 - • Input frequency: 50 to 60Hz ± 5%
 - • DC Output
 - Maximum usable power: 400 W

| V _{oc} | Typical |
|-----------------|---------------|
| +5 V | 25.0 - 30.0 A |
| +12 V | 14 A |
| -5 V | 1 A |
| -12 V | 1 A |
| +3.3 V | 20.0 - 28.0 A |
| +5 Vsb | 1.5 A |

- System Monitoring
 - • Power LED
 - ◆ Voltage: +3.3 V, +5 V, +12 V, -12 V
 - ◆ LED display: ON while supplied
 - • Temperature LED
 - ◆ Temperature setting: 50 °C, 60 °C, 70 °C
 - ◆ LED display
 - ON for normal condition
 - FLASH while exceeds temperature
 - • Fan LED
 - ◆ Fan speed monitoring
 - ◆ LED display
 - ON while normal fan speed
 - FLASH while abnormal fan speed
 - • Alarm LED
 - LED display
 - ON while normal condition
 - FLASH if any alarm occurs
 - • Alarm Buzzer
 - Beep if any alarm occurs
 - • Alarm reset button
 - Reset the alarm monitor system

Cooling

- Fans
 - • Front-access hot swappable fan trays
 - • Five 31 CFM fan trays at the bottom of the chassis
 - • Fan speed: 2900 ± 300 RPM
 - • Power: 12 V_{DC} @ 0.17 A each fan
 - • Noise: 36 dB(A)
 - • Air filter: removable from the bottom of the chassis

Physical

- Number of PXI/CompactPCI slots: 8 (1 controller, 7 peripherals)
- Number of controller expansion slots: 3 (left of controller slot)
- Dimensions:
 - 258 mm x 448.4 mm x 177.8 mm (L x W x H, w/o handle)
- Weight:
 - • 11 kg (PXIS-2630)
 - • 12 kg (PXIS-2650)
 - • 12.2 kg (PXIS-2650T)

Operating Environment

- Ambient temperature range

| Model | Temperature |
|------------|-------------|
| PXIS-2630 | 0 to 50 °C |
| PXIS-2650 | 0 to 45 °C |
| PXIS-2650T | 0 to 45 °C |

- Relative humidity: 10 to 90%, noncondensing

Storage Environment Temperature

- Ambient temperature range

| Model | Temperature |
|------------|--------------|
| PXIS-2630 | -20 to 70 °C |
| PXIS-2650 | 0 to 70 °C |
| PXIS-2650T | 0 to 70 °C |

- Relative humidity: 5 to 95%, noncondensing

Backplane

- Backplane bare-board material: UL 94V-0 rated
- Backplane connectors: Conforms to IEC-917 and IEC 1076-4-101, UL 94V-0 rated
- PXI peripheral slots with star signals: from the 3rd slot to the 8th slot.
- PXI Trigger Bus: All
- PXI Local Bus: All

Shock and Vibration

- Shock : 15 G peak-to-peak, 11 ms duration, non-operation
- Random Vibration
 - • Operating: 5 to 500 Hz, 0.5 G_{RMS}, each axis
 - • Nonoperating: 5 to 500 Hz, 1.88 G_{RMS}, each axis

Safety and EMC/EMI Compliance

- EMC/EMI: CE, FCC Class A
- Safety: CE/LVD (EN60950)

Ordering Information

- **PXIS-2630**
8-Slot 3U PXI/CompactPCI Instrument Chassis with 400 W ATX AC Power Supply
- **PXIS-2650**
8-Slot 3U Instrument Chassis with 400 W ATX AC Power Supply and 6.4" LCD
- **PXIS-2650T**
8-Slot 3U Instrument Chassis with 400 W ATX AC Power Supply, 6.4" LCD and Touch Panel

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