

PXIS-2630/2650/2650T

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. 2.2 compliant
- IEEE 1101.10 mechanical packaging compliant
- Filtered, forced-air cooling
- 400 W ATX power supply
- Temperature, voltage and fan monitoring LED
- 4U high rack-mounted and bench-top installation
- PXIS-2650 supports 7" LCD display
- PXIS-2650T supports touch panel with 7" LCD display

Introduction

ADLINK PXIS-2630 is a 3U PXI chassis providing 7 PXI peripheral slots and one system slot. The chassis is compliant with the PXI and CompactPCI specifications. Both PXI and CompactPCI modules can be used in the chassis. Combined with the PXI specifications, the PXIS-2630 provides an internal 10 MHz reference clock to all 7 PXI slots, star trigger function to each peripheral slots, PXI trigger bus, and PXI local bus.

The PXIS-2630 is equipped with an 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 all monitored by the alarm module assembled in the chassis. Once any fan fails, a corresponding LED and buzzer will be activated. The failure fans can be removed from the front panel and are hot-swappable, which can reduce MTTR (Mean-Time-To-Repair) efficiently.

ADLINK also provides PXIS-2650 and PXIS-2650T for applications requiring a built-in monitor. PXIS-2650 provides a 7" LCD display, and PXIS-2650T provides an additional touch panel on a 7" LCD display. The ADLINK PXI-3800 and PXD-3710/F are designed to operate with the PXIS-2650/2650T chassis. With all the powerful design, the PXIS- 2630/2650/2650T chassis are ideal for high

Notice:

PXIS-2650/2650T chassis implements rear I/O. PXI chassis with rear I/O are designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

Warning:

If PXIS-2650/2650T chassis is used with a controller that does not match the rear transition module, the rear I/O functionality may not operate and may cause damage to the PXI controller or the rear transition module. ADLINK PXI system controllers PXI-3800 and PXD-3710/3710F are strongly recommended for the PXIS-2650/2650T.



PXIS-2630 Front



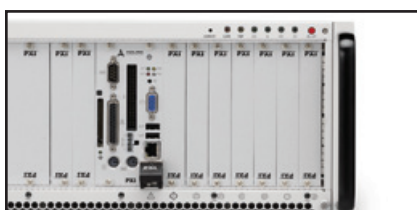
PXIS-2630 Back



PXIS-2650 Front



Removable Fan



Temperature, Voltage and Fan Monitoring LED

Specifications

Complies with PXI specifications 2.2 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 _{DC}	Min.	Max.
+5 V	2.5A	35A
+12 V	1A	20A
-5 V	0A	0.8A
-12 V	0A	1A
+3.3 V	1A	28A
+5 V _{sb}	0.1A	2A

- Minimum power: 52.5 W
- System Monitoring
 - Power LED Minimum power: 52.5 W
 - ♦ 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 system slot, 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 7" LCD
- **PXIS-2650T**
8-Slot 3U Instrument Chassis with 400 W ATX AC Power Supply, 7" LCD and Touch Panel

- 1 Software Solutions
- 2 PXI/CompactPCI Platforms
- 3 PXI-Based Instruments
- 4 PXI/CompactPCI Modules
- 5 PCI DAQ Cards
- 6 PCI DIO Cards
- 7 PC/104-Plus Products
- 8 ISA DAS/DIO Cards
- 9 Wiring Termination Boards
- 10 Motion Vision & COM
- 11 Remote I/O Modules
- 12 Industrial Computers