

PXIS-2506/2556/2556T

6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module

Features

- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Provides one system slot and five PXI/CompactPCI peripheral slots
- Modular 250 W AC or DC CompactPCI power supply module
- Filtered, forced air-cooling architecture
- Wall-mount kit included
- Built-in 7" LCD display (PXIS-2556) with touch panel (PXIS-2556T)

Introduction

Engineered for convenient mobility, the PXIS-2506/2556/2556T is a 3U compact PXI chassis with one system slot and five peripheral slots. The chassis is compliant with PXI and CompactPCI specifications, accepts both PXI and CompactPCI modules, and equips all peripheral slots with PXI functionalities, including a 10 MHz reference clock, start trigger, local bus, and trigger bus.

The PXIS-2506/2556/2556T chassis features a 250 W AC CompactPCI power module to provide reliable, round-the-clock power to the system. An optional 250 W DC power module is also available for in-vehicle applications. The power supply is modularly designed and is accessible from the front panel to promote easy field replacement and reduced MTTR (Mean-Time-To-Repair).

Keeping total mobility in mind, the PXI-2556 and PXIS-2556T comes with an integrated 7" LCD with 800x480 maximum resolution. The PXIS-2556's LCD features a touch panel capability for fast and convenient data input, anytime, anywhere. The PXIS-2506/2556/2556T is the ideal chassis of choice for all bench-top and in-vehicle PXI applications.

Notice:

The PXIS-2556 and PXIS-2556T implement a rear I/O module for internal signal transmission and require a PXI controller that complies with PXI Specification Rev. 2.2. It is recommended that you use an appropriate ADLINK PXI controller with PXIS-2556 and PXIS-2556T.

Specifications

Power Supply

- Form factor: PICMG 2.11 compliant CompactPCI power module
- AC input: 100 to 240 V_{AC}, 50 Hz to 60 Hz
- DC output: 250 W

V _{DC}	Minimum	Typical	Maximum
+5 V	2.0 A	25.0 A	33.0 A
+12 V	0.0 A	18.0 A	33.0 A
+3.3 V	0.0 A	5.0 A	5.5 A
-12 V	0.0 A	0.5 A	1.0 A

Integrated Devices

- Display: 7" TFT LCD, 800x480 resolution (PXIS-2556/PXIS-2556T)
- Input device: Touch panel 7" TFT LCD (PXIS-2556T only)

Cooling

- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 41.4 CFM/each

Physical

- Dimension:
 - PXIS-2506: 221 mm x 178 mm x 237 mm (W x H x D, without wall-mount kit and foot stand)
 - PXIS-2556/PXIS-2556T: 221 mm x 178 mm x 253 mm (W x H x D, without wall-mount kit and foot stand)
- Weight:
 - 4.5 kg (PXIS-2506)
 - 5.0 kg (PXIS-2556)
 - 5.2 kg (PXIS-2556T)

Operating Environment

- Ambient temperature:
 - 0°C to 50°C (PXIS-2506)
 - 0°C to 45°C (PXIS-2556/PXIS-2556T)
- Relative humidity: 10% to 90%, non-condensing

Storage Environment

- Ambient temperature:
 - -20°C to 70°C (PXIS-2506)
 - 0°C to 70°C (PXIS-2556/PXIS-2556T)
- 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 GRMS, each axis
 - Non-operating: 5 Hz to 500 Hz, 1.88 GRMS, each axis



PXIS-2506



PXIS-2556/2556T

Recommended System Controller

- PXI-3800
- PXI-3800/CM13
- PXI-3800/PM18
- PXI-3800/PM18+

Ordering Information

- **PXIS-2506**
6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module
- **PXIS-2650**
6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module and 7" LCD Display
- **PXIS-2650T**
6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module, 7" LCD Display and Touch Panel
- **PXIS-2506/DC24**
6-Slot 3U PXI/CompactPCI Chassis with 250 W DC 24V CompactPCI Power Module

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