PXIS-2506/2556T

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 with touch panel (PXIS-2556T)

PXIS-2506

PXIS-2556T

Introduction

Engineered for convenient mobility, the PXIS-2506/2556T 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-2506/2556T 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 PXIS-2556T comes with an integrated 7" LCD display with 800x480 maximum resolution. The LCD display features a touch panel capability for fast and convenient data input, anytime, anywhere. The PXIS-2506/2556T is the ideal chassis of choice for all bench-top and in-vehicle PXI applications.

Notice:
The PXIS-2556T implements rear I/O. The PXI chassis with rear I/O was designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

Warning:
If the PXIS-2556T 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.

Specifications

Power Supply

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

VDC	Minimum	Typical	Maximum
+5 V	2.0 A	25.0 A	33.0 A
+12 V	0.0 A	5.0 A	5.5 A
+3.3 V	0.0 A	18.0 A	33.0 A
-12 V	0.0 A	0.5 A	1.0 A

Integrated Devices

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

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-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)
  - 5.2 kg (PXIS-2556T)

Operating Environment

- Ambient temperature:
  - 0˚C to 50˚C (PXIS-2506)
  - 0˚C to 45˚C (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-2556T)
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration

- Shock: 15 Gpeak-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

Recommended System Controller

- PXI-3920 (PXIS-2506 only)
- PXI-3910 (PXIS-2506 only)
- 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-2556T**
  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