PXIS-2506

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



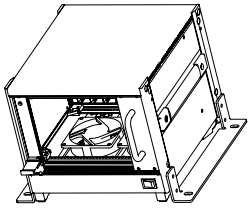
Introduction

Engineered for convenient mobility, the PXIS-2506 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.

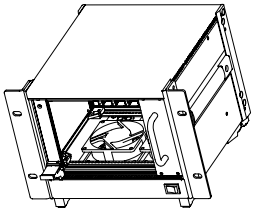
The PXIS-2506 chassis features a 250 W AC CompactPCI power module to provide reliable, round-the-clock power to the system. An optional 250 W DC power module is also available for in-vehicle applications. The power supply is modularly designed and is accessible from the front panel to promote easy field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

Features

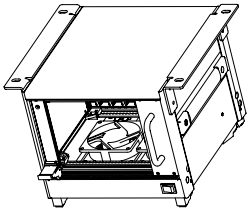
- **Supports both 3U PXI and CompactPCI modules**
- **PXI Specifications Rev. 2.2 compliant**
- **Provides one system slot and five PXI/CompactPCI peripheral slots**
- **Modular 250 W AC or DC CompactPCI power supply module**
- **Filtered, forced air-cooling architecture**
- **Wall-mount kit included**



Wall Mount on the Bottom



Wall Mount on the System Side



Wall Mount on the Top

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

Cooling

- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 47.2 CFM/each

Physical

- Number of PXI Slots: 6 (1 system slot + 5 peripheral slots)
- Dimensions:
  - 221 mm x 178 mm x 237 mm (W x H x D, without wall-mount kit and foot stand)
- Weight:
  - 4.5 kg (9.9 lbs)

Operating Environment

- Ambient temperature:
  - 0°C to 50°C
- Relative humidity: 10% to 90%, non-condensing

Storage Environment

- Ambient temperature:
  - -20°C to 70°C
- Relative humidity: 5% to 95%, non-condensing

Shock and Vibration

- Shock: 15 $G_{peak\text{-}to\text{-}peak}$, 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

Emissions Compliance

- EN 55022
- FCC Class A

CE Compliance

- Safety: EN 60950-1
- Immunity: EN 55024

Recommended System Controller

	PXIS-2506
PXI-3900 series	√

Ordering Information

- **PXIS-2506**
  6-Slot 3U PXI/CompactPCI Chassis with 250 W CompactPCI Power Module
- **PXIS-2506/DC24**
  6-Slot 3U PXI/CompactPCI Chassis with 250 W 24 VDC CompactPCI Power Module

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