

PXIS-2670

14-Slot 3U PXI/CompactPCI Chassis with 500 W AC Power Supply



Introduction

The ADLINK PXIS-2670 is a compact 14-slot PXI chassis that provides one system and 13 peripheral slots in a space-saving 483 mm x 178 mm x 258 mm dimension. Supporting both 3U PXI and CompactPCI modules, the PXIS-2670 chassis is compliant with PXI specification Rev. 2.2 and highlights PXI features including a 10 MHz reference clock, start trigger, local bus, and a trigger bus divided into two segments by a single PCI bridge.

Reliable power is supplied to the PXIS-2670 chassis by an industrial-grade 500 W AC power supply. The status of system power supplies, temperature, and fan operations are monitored by a chassis-integrated alarm module. When a failure is detected, the corresponding LED lights up and the buzzer sounds an alarm.

Designed with hot-swappable fan trays, any defective fan may be removed and replaced from the front panel even when the system is running, ensuring uninterrupted operation and reduced MTTR (Mean-Time-To-Repair).



Hot-swappable fans for easy replacement



Voltage, temperature, and fan monitoring LEDs

Features

- Most compact 14-slot PXI chassis to date
- Supports both 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 13 PXI/CompactPCI peripheral slots
- Industrial-grade 500 W ATX power supply
- Hot-swappable fans design for easy replacement
- Filtered, forced-air cooling architecture
- Temperature, voltage, and fan monitoring LEDs

Specifications

Power Supply

- Form factor: 500 W 2U ATX AC power supply
- AC input: 100 to 240 V_{ac}, 50 Hz to 60 Hz
- DC output: 500 W

V _{dc}	Minimum	Maximum
+5 V	1.0 A	50.0 A
+12 V	0.0 A	35.0 A
+3.3 V	0.0 A	28.0 A
-12 V	0.0 A	0.8 A

Cooling

- Fans: Five 80 mm x 80 mm x 15 mm ball-bearing fans in hot-swappable fan trays, 31 CFM/each

Physical

- Number of PXI Slots: 14 (1 system slot + 13 peripheral slots)
- Dimensions: 483 mm x 178 mm x 258 mm (W x H x D) without handles
- Weight: 14 kg (30.8 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-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

Emissions Compliance

- EN 55022
- FCC Class A

CE Compliance

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

Recommended System Controller

	PXIS-2670
PXI-3900 series	✓

Ordering Information

- **PXIS-2670**
14-Slot 3U PXI/CompactPCI Chassis with 500 W AC Power Supply
- **PXIS Spare Fan**
PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2600 Series