

PXIS-2700

18-Slot 3U PXI/CompactPCI Chassis with 460 W + 460 W Redundant AC Power Supply



Introduction

The PXIS-2700 is a high-capacity PXI chassis that provides one system and 17 peripheral slots in a standard 19" 4U dimension and supports both PXI and CompactPCI modules. Compliant with PXI specification Rev. 2.2, the PXIS-2700 features a 10 MHz reference clock, start trigger, local bus, and a trigger bus divided into three segments by two PCI bridges.

Promoting operating efficiency, the PXIS-2700 is loaded with a redundant 460 W AC power subsystem to ensure reliable, round-the-clock power supply, and hot-swappable fans which can be removed and replaced even when the system is running. The redundant and hot-swappable solutions considerably reduce MTTR (Mean-Time-To-Repair) and ensure continuous operation. The PXIS-2700 also effectively monitors the system power, temperature, and fans via a chassis-integrated alarm module. The corresponding LED lights up and the buzzer alarms when the system detects a defective power supply or fan module.



Hot-swappable Fans for Easy Replacement



460 W + 460 W Redundant AC Power Supply

Features

- Supports 3U PXI and CompactPCI modules
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 17 PXI/CompactPCI peripheral slots
- Hot-swappable 460 W + 460 W ATX redundant power supply
- Filtered, forced-air cooling architecture
- Temperature, voltage, and fan monitoring LEDs
- Hot-swappable fans design for easy replacement

Specifications

Power Supply

- Form factor: 460 W + 460 W redundant AC power supply
- AC input: 100 to 240 VAC, 50 Hz to 60 Hz
- DC output: 460 W

Vdc	Minimum	Maximum
+5 V	5.0 A	40.0 A
+12 V	2.5 A	32.0 A
+3.3 V	1.0 A	30.0 A
-12 V	0.0 A	1.0 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: 18 (1 system slot + 17 peripheral slots)
- Dimensions: 483 mm x 178 mm x 445 mm (W x H x D) without handles
- Weight: 19 kg (41.8 lbs)

Operating Environment

- Ambient temperature: 0°C to 45°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

PXI-3900 series	PXIS-2700
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Ordering Information

■ **PXIS-2700**
18-Slot 3U PXI/CompactPCI Chassis with 460 W + 460 W Redundant AC Power Supply

■ **PXIS Spare Fan**
PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2600 Series