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PXIS-2700/2670/2630

18/14/8-Slot 3U PXI Chassis



PXIS-2700



PXIS-2670



PXIS-2630

Introduction

The PXIS-2700/2670/2630 PXI chassis provides 18/14/8 slots in a standard 19" 4U configuration and supports both PXI and CompactPCI modules. The PXIS-2700/2670/2630 chassis are compliant with PXI specification Rev. 2.2 and highlight 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.

The PXIS-2700 promote operating efficiency with a redundant power subsystem ensuring reliable, round-the-clock power, and hot-swappable cooling fans. Combined solutions considerably reduce MTTR and ensure continuous operation. The PXIS-2700/2670/2630 also provide effective monitoring of system power, temperature, and fans via a chassis-integrated alarm module. Notice is provided by LED buzzer alarms in the event of power supply or fan module malfunction.

Features

- **Supports 3U PXI and CompactPCI modules**
- **PXI Specifications Rev. 2.2 compliant**
- **Number of PXI Slots:**
  - **PXIS-2700: 18 (1 system slot + 17 peripheral slots)**
  - **PXIS-2670: 14 (1 system slot + 13 peripheral slots)**
  - **PXIS-2630: 8 (1 system slot + 7 peripheral slots)**
- **Power supply:**
  - **PXIS-2700: 460 W + 460 W redundant AC power supply**
  - **PXIS-2670: 500 W ATX AC power supply**
  - **PXIS-2630: 400 W ATX AC 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:
  - PXIS-2700: 460 W + 460 W redundant AC power supply
  - PXIS-2670: 500 W ATX AC power supply
  - PXIS-2630: 400 W ATX AC power supply
- AC input:
  - 100 to 240 VAC, 50 Hz to 60 Hz
- DC output:
  - PXIS-2700: 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

  - PXIS-2670: 500W

VDC	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

  - PXIS-2630: 400W

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: Five 80 mm x 80 mm x 15 mm ball-bearing fans in hot-swappable fan trays, 31 CFM/each (PXIS-2700/2670), 36 CFM/each (PXIS-2630)

Physical

- Number of Slots:
  - PXIS-2700: 18 (1 system slot + 17 peripheral slots)
  - PXIS-2670: 14 (1 system slot + 13 peripheral slots)
  - PXIS-2630: 8 (1 system slot + 7 peripheral slots)
- Dimensions: (Without handles)
  - PXIS-2700: 483 mm (W) x 178 mm (H) x 445 mm (D) (18.8" x 6.9" x 17.4")
  - PXIS-2670/2630: 483 mm (W) x 178 mm (H) x 258 mm (D) (18.8" x 6.9" x 10")
- Weight:
  - PXIS-2700: 19 kg (41.8 lbs)
  - PXIS-2670: 14 kg (30.8 lbs)
  - PXIS-2630: 11 kg (24.2 lbs)

Operating Environment

- Ambient temperature: 0°C to 45°C (PXIS-2700), 0°C to 50°C (PXIS-2670/2630)
- Relative humidity: 10% to 90%, non-condensing

Storage Environment

- Ambient temperature: -20°C to 70°C (-4°F to 158°F)
- 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 G_{RMS}, each axis
  - Non-operating: 5 Hz to 500 Hz, 1.88 G_{RMS}, each axis

Emissions Compliance

- EN 55022
- FCC Class A

CE Compliance

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

Recommended System Controller

	PXIS-2700/2670/2630
PXI-3980/3950	√

Ordering Information

- **PXIS-2700**
  18-Slot 3U PXI/CompactPCI Chassis with 460 W + 460 W Redundant AC Power Supply
- **PXIS-2670**
  14-Slot 3U PXI/CompactPCI Chassis with 500W AC Power Supply
- **PXIS-2630**
  8-Slot 3U PXI/CompactPCI Chassis with 400 W AC Power Supply
- **PXIS Spare Fan**
  PXIS Chassis Spare Fan for PXIS-2700 & PXIS-2600 Series

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