

Specifications

Complies with PXI specifications and accepts modules compliant with CompactPCI, PICMG 2.0 specifications

Electrical

■ AC Power Supply

- • 460 W + 460 W redundant power supply
- • Input voltage: 90–264 V_{AC}, full range
- • Input frequency: 47 to 63 Hz
- • Input current per power module
 - ◆ 4 A_{RMS} for 230 V_{AC}
 - ◆ 8 A_{RMS} for 115 V_{AC}
- • Inrush current per power module
 - ◆ 75 A_{RMS} for 230 V_{AC}
 - ◆ 55 A_{RMS} for 115 V_{AC}
- • Built-in active power factor correction
- • Output
 - ◆ Maximum usable power: 460 W+460 W
 - ◆ Output characteristics per module

| V _{DC} | Minimum | Maximum | Ripple and noise Max | Load Regulation | Line Regulation |
|-----------------|---------|---------|----------------------|-----------------|-----------------|
| +5 V | 5.0 A | 40 A | 60 mV | ±5% | ±1% |
| +12 V | 2.5 A | 27 A | 100 mV | ±5% | ±1% |
| -5 V | 0 A | 0.8 A | 100 mV | ±5% | ±1% |
| -12 V | 0 A | 1.0 A | 100 mV | ±5% | ±1% |
| +3.3 V | 1.0 A | 30 A | 60 mV | ±5% | ±1% |
| +5 Vsb | 0.1 A | 2 A | 60 mV | ±5% | ±1% |

- ◆ +5 V and +3.3 V maximum total output: 50 A
- • International standards of power supply
 - ◆ Safety: UL 1950/CSA 22.2 No. 950, TUV IEC 950
 - ◆ EMI: FCC Class B, CISPR22 Class B
- System Monitoring
 - • Power LED
 - ◆ Voltage: +3.3 V, +5 V, +12 V, -12 V
 - ◆ LED display: ON while supplied
 - • Temperature LED
 - ◆ Temperature setting: 50 °C, 60 °C, 70 °C
 - ◆ LED display
 - ON for normal condition
 - FLASH while over-temperature alarm
 - • Fan LED
 - ◆ Fan speed monitoring
 - ◆ LED display
 - ON while normal fan speed
 - FLASH while abnormal fan speed
 - • Alarm LED
 - ◆ LED display
 - ON while normal condition
 - FLASH if any alarm occurs
 - • Alarm Buzzer
 - ◆ Beep if any alarm occurs
 - • Alarm reset button
 - ◆ Reset the alarm monitor system

Cooling

■ Fans

- • Front-access hot swappable fan trays
- • Five 31 CFM fan trays at the bottom of the chassis
- • Fan speed: 2900 ± 300 RPM
- • Power: 12 V_{DC} @ 0.17 A each fan
- • Noise: 36 dB(A)
- • Air filter: removable from the bottom of the chassis

Physical

- Number of PXI/CompactPCI slots: 18 (1 controller, 17 peripherals)
- Number of controller expansion slots: 3 (left of controller slot)
- Dimensions: 445 mm x 482.6 mm x 177.8 mm (L x W x H, w/o handle)
- Weight: 19 Kg

Operating Environment

■ Ambient temperature range

| Model | Temperature |
|-----------|-------------|
| PXIS-2700 | 0 to 40 °C |

- Relative humidity : 10 to 90%, noncondensing

Storage Environment temperature

■ Ambient temperature range

| Model | Temperature |
|-----------|--------------|
| PXIS-2700 | -20 to 70 °C |

- Relative humidity: 5 to 95%, noncondensing

Backplane

- Backplane bare-board material: UL 94V-0 rated
- Backplane connectors: Conforms to IEC-917 and IEC 1076-4-101, UL 94V-0 rated
- Number of PXI/CompactPCI slots: 18 (1 controller, 17 peripherals)
- PXI peripheral slots with star trigger signals: from the 3rd slot to the 15th slot
- PXI trigger bus segments: 3 (slot 1-6, slot 7-12, slot 13-18)
- PXI local bus: All
- Number of PXI-to-PXI bridges: 2

Shock and Vibration

- Shock : 15 G peak-to-peak, 11 ms duration, non-operation
- Random Vibration
 - • Operating: 5 to 500 Hz, 0.5 G_{RMS}, each axis
 - • Nonoperating: 5 to 500 Hz, 1.88 G_{RMS}, each axis

Safety and EMC/EMI Compliance

- EMC/EMI: CE, FCC Class A

Ordering Information

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

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