PXIS-2690P

14-Slot 3U Integrated Portable PXI Chassis with AC



Introduction

The ADLINK PXIS-2690P is one of the world's first highly-integrated, 14-slot portable PXI chassis designed for advanced PXI instrumentation applications. The PXIS-2690P comes with a system slot and 13 peripheral slots that conveniently accommodate multiple PXI modules. The PXI chassis incorporates a bright 15" TFT LCD display with touch panel, keyboard/touchpad, and a slim DVD combo drive into a single frame to provide superior portability and maximum performance.

Constructed in high-quality aluminum alloy, the PXIS-2690P delivers a fortified and compact chassis minus the weight. An industrial-grade 500 W AC power supply comes pre-installed to the chassis and offers reliable and stable power to system components and peripheral modules. With three 120 mm x 120 mm x 25 mm system fans, the PXIS-2690P guarantees superb air flow to maintain a cool and efficient operating temperature. The ADLINK PXIS-2690P is an ideal solution for advanced PXI applications requiring portability, robustness, and easy-deployment.

■ Notice:

As the display interface between the PXIS-2690P LCD and embedded controller is proprietary, the LCD can only be operated by ADLINK's PXI-3950 embedded controller.

■ Warning:

If any embedded controller other than ADLINK's PXI-3950 is installed in the PXIS-2690P, the LCD may not operate and damage to the PXI controller or backplane can occur.

Features

- **Ruggedly-designed for portable instrumentation applications**
- **Supports both 3U PXI and CompactPCI modules**
- **PXI Specifications Rev. 2.2 compliant**
- **Equipped with one system slot and 13 PXI/CompactPCI peripheral slots**
- **15" high-brightness TFT LCD display with up to 1024x768 resolution**
- **Multiple input devices, including keyboard, touch pad, and touch panel.**
- **Built-in slim-type DVD combo drive**
  500 W industrial-grade ATX power supply



Top cover to protect PXI/cPCI modules and wirings

Specifications

Power Supply

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

VDC	Minimum	Maximum
+5 V	3.0 A	50.0 A
+12 V	2.0 A	35.0 A
+3.3 V	0.3 A	28.0 A
-12 V	0.1 A	0.8 A

Integrated Devices

- Display: 15" TFT LCD, up to 1024 x 768 resolution
- Input device:
  - 87-key keyboard with touchpad
  - Built-in 15" touch screen
- DVD drive: slim-type DVD combo drive

Cooling

- Fans: Three 120 mm x 120 mm x 25 mm (4.68" x 4.68" x 0.97") ball-bearing fans, 74.5 CFM/each

Physical

- Number of Slots: 14 (1 system slot + 13 peripheral slots)
- Dimensions: 400 mm (W) x 291 mm (H) x 223.3 mm (D) (15.6" x 11.34" x 8.7"), without fan frame
- Weight: 12.5 kg (27.5 lbs)

Operating Environment

- Ambient temperature: 0°C to 50°C (32°F to 122°F)
- 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: 10 Gpeak-to-peak, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.31 GRMS, each axis
  - Non-operating: 5 Hz to 500 Hz, 2.46 GRMS, each axis

Emissions Compliance

- EN 55022
- FCC Class A

CE Compliance

- Immunity: EN 55024

Recommended System Controller

	PXIS-2690P-B
PXI-3950	√

Note: The PXI-3980 is incompatible for use in the PXIS-2690P-B

Ordering Information

■ **PXIS-2690P-B**
14-Slot 3U integrated Portable PXI Chassis for PXI-3950 (shipped with top cover & a carriage bag)

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