

PXIS-2690P

14-Slot 3U Integrated Portable PXI Chassis with 500 W AC Power Supply

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 for protecting
PXI/cPCI modules and wirings

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 high-brightness 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:

The ADLINK PXIS-2690P implements a rear I/O module for internal signal transmission and requires a PXI controller that complies with PXI Specification Rev. 2.2. We strongly recommend that an ADLINK PXI controller be used with the PXIS-2690P chassis.

Specifications

Power Supply

- Form factor: 500 W 2U ATX AC power supply
- AC input: 100 to 240 VAC, 50 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 1024x768 resolution
- Input device:
 - 87 keys 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 ball-bearing fans, 53.2 CFM/each

Physical

- Dimension: 400 mm x 291 mm x 223.3 mm (W x H x D, without fan frame)
- Weight: 12.5kg

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: 10G_{peak-to-peak}, 11 ms duration
- Random Vibration
 - Operating: 5 Hz to 500 Hz, 0.31 G_{RMS}, each axis
 - Non-operating: 5 Hz to 500 Hz, 2.46 G_{RMS}, each axis

Recommended System Controller

- PXI-3800
- PXI-3800/CM13
- PXI-3800/PM20
- PXI-3800/PM20+

Ordering Information

- **PXIS-2690P**
14-Slot 3U Integrated Portable PXI Chassis
with 500W AC Power Supply
(shipped with a carriage bag)