

# PXIS-2680P

## 8-Slot 3U Integrated Portable PXI Chassis with Dual-300 W Mini-Redundant AC Power Supply

### Features

- Designed for portable PXI instrumentation applications
- PXI Specifications Rev. 2.2 compliant
- Equipped with one system slot and 7 PXI/CompactPCI peripheral slots
- Two hot-swappable 300 W ATX power supplies with redundancy
- High-brightness 15" TFT LCD display with 1024x768 resolution
- Multiple input devices including keyboard, touch pad, and touch panel
- Built-in slim-type DVD combo drive
- Provides PXI trigger bus, 10 MHz reference clock, star trigger, and PXI local bus



### Introduction

Perfect for portable, rugged, and highly-mobile applications, the ADLINK PXIS-2680P is a 3U PXI instrumentation chassis with 8-slot capacity for both PXI/CompactPCI modules and comprehensive PXI functionalities. It features a PXI trigger bus, star trigger, 10 MHz reference clock, and local bus for instrumentation applications. Equipped with 15" LCD touch screen and multiple input devices, the ADLINK PXIS-2680P does not require any other wiring when deployed with ADLINK's PXD-3710 or PXI-3800 system controller. From a built-in DVD combo drive that features high-speed data recording and backup, to a pair of 300 W mini-redundant power modules, the PXIS-2680P is suitable for laboratory, power industry, military, and communication applications - on or off the road.

#### Notice:

The PXIS-2680P implements rear I/O. The PXI chassis with rear I/O was designed to provide internal or external chassis I/O using a rear transition module that matches the PXI controller.

#### Warning:

If the PXIS-2680P is used with a controller that does not match the rear transition module, the rear I/O functionality may not operate and may cause damage to the PXI controller or the rear transition module.

### Specifications

#### Power Supply

- Form factor: Dual-300 W mini-redundant, hot-swappable AC power supply
- AC input: 100 to 240 V<sub>AC</sub>, 50 Hz to 60 Hz
- DC output: 300 W

Vdc	Minimum	Maximum
+5 V	3.0 A	35.0 A
+12 V	2.0 A	15.0 A
+3.3 V	1.0 A	24.0 A
-12 V	0.1 A	0.8 A

#### Integrated Devices

- Display: 15" TFT LCD, up to 1024x768 resolution
- Input device:
  - 108-key keyboard with touchpad
  - Built-in 15" touch screen
- DVD drive: slim-type DVD combo drive

#### Cooling

- Fans: Two 80 mm x 80 mm x 25 mm ball-bearing fans, 41 CFM/each

#### Physical

- Dimension: 400 mm x 291 mm x 223.3 mm (W x H x D, without fan frame)
- Weight: 12 kg

#### Operating Environment

- Ambient temperature: 0°C to 50°C
- Relative humidity: 20% to 90%, non-condensing

#### Storage environment

- Ambient temperature: -20°C to 70°C
- Relative humidity: 10% to 90%, non-condensing

#### Shock and Vibration

- Shock: 10 G<sub>peak-to-peak</sub>, 11 ms duration
- Random Vibration
  - Operating: 5 Hz to 500 Hz, 0.31 G<sub>RMS</sub>, each axis
  - Non-operating: 5 Hz to 500 Hz, 2.46 G<sub>RMS</sub>, each axis

### Recommended System Controller

- PXI-3800
- PXI-3800/CM13
- PXI-3800/PM18
- PXI-3800/PM18+

### Ordering Information

- **PXIS-2680P**  
8-Slot 3U Integrated Portable PXI Chassis with 300 W + 300 W Mini-Redundant AC Power Supply (shipped with a carriage bag)



300 W + 300 W mini-redundant AC power supply

#### 1 DVD Combo Drive



#### 2 Hot-Swappable Redundant Power Supply



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