

# PXES-2590

9-Slot 3U PXI Express Chassis with AC – Up to 7 GB/s, All Hybrid



## Introduction

The ADLINK PXES-2590 is a 9-slot PXI Express chassis equipped with advanced features and functions. Compliant with PXI Express and cPCI Express specifications, the PXES-2590 offers one system slot, one system timing slot, and seven hybrid peripheral slots for versatile test and measurement applications requiring enhanced bandwidth. The hybrid-slot design accepts installation of CompactPCI, PXI, CompactPCI Express, and PXI Express modules into any peripheral slots in PXES-2590, maximizing flexibility. The PXES-2590 is built on a four-link PXI express chassis with 7 GB/s system bandwidth, and 2 GB/s slot bandwidth for all peripheral slots.

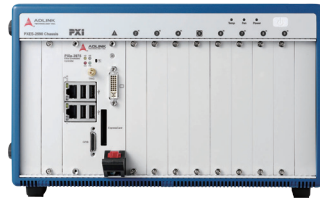
The PXES-2590 is implemented with a smart system monitoring controller, reporting full chassis status, including fan speed, system voltages, and internal temperature.

Equipped with an industrial grade AC power supply, the PXES-2590 still provides 400 W under 55°C, and delivers superior cooling capacity, from two 120 mm cooling fans on the rear of the chassis. Two BNC connectors for 10 MHz clock input/output on the rear panel increase chassis flexibility, enabling synchronization with supplementary devices. All in all, PXES-2590 is the best PXI Express platform choice for testing and measurement requirements.

## Features

- PXI™-5 PXI Express hardware specification Rev.1.0 compliant
- 9-slot PXI Express chassis with one system slot, one system timing slot, and seven hybrid peripheral slots
- Four-link PXI Express chassis
- Up to 7 GB/s system bandwidth
- Up to 2 GB/s peripheral bandwidth for all slots
- 0°C to 55°C extended operating temperature range
- Intelligent chassis management
  - Automatic fan speed control
  - Chassis status monitoring and reporting
  - Remote chassis power on/off control
- BNC connectors for 10 MHz clock input/output
- Maximum total usable power is 400 W under 55°C
- Power, temperature, and fan monitoring LEDs

PXES-2590 Front View



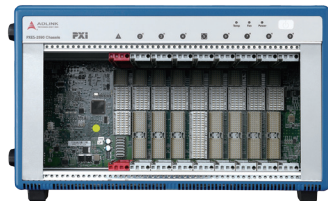
PXES-2590 Back View



10 MHz Ref clock input/output BNC connectors

FAN Speed Control Switch

Inhibit Enable/Disable Switch & Power rails monitoring port



PXES-2590 Hybrid Peripheral Slots

## Highlights

### ■ Portable LCD Monitor/Keyboard Accessory

In further support of the portability requirements of PXI/PXIe measurement systems, the PXES-2590 also provides an optional portable LCD monitor/keyboard accessory kit, allowing rack-cabinet PXI systems to be easily converted to fully portable PXI systems.

Accessory kit includes:

- 15 in. touch screen LCD monitor with 1024 x 768 resolution
- English keyboard and touchpad
- ADLINK factory or user installation
- VGA video connection
- No requirement for external power

