

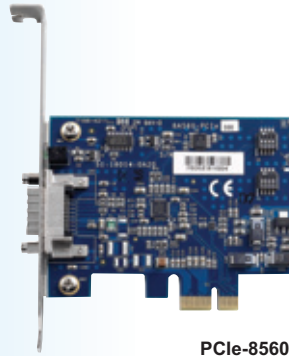
NEW

PCIe-8560/PXI-8565

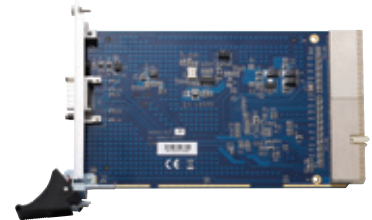
PCI Express-to-PXI/CompactPCI Extension Kit

Features

- PCI Express-based control of PXI/CompactPCI
- High-speed PCI Express x1 interface
- Direct control of PXI/CompactPCI systems
- Supports 32-bit/66 MHz PCI™ interface
- Extension distance of up to 7 meters (extension cables at 1 M, 3 M, and 7 M)
- Comprehensive hardware and software transparency
- Compliant with
 - PCI Express® Base Specifications Rev. 1.0a
 - PXI™ Specifications Rev. 2.2
 - PCI-to-PCI Bridge Architecture Specifications Rev. 1.2
 - PCI™ Local Bus Specifications Rev. 3.0



PCIe-8560



PXI-8565

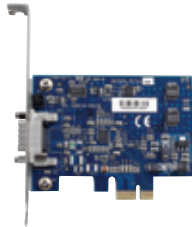
Introduction

The PCI Express-to-PXI/CompactPCI extension kit provides control of PXI/CompactPCI modules installed in a PXI/CompactPCI extension system using the high-bandwidth PCI Express technology. With comprehensive hardware and software transparency, the extension kit enables fast and convenient detection of any installed PXI/CompactPCI cards in the extension system, without requiring additional drivers or software installation. The PCIe-8560 and PXI-8565 are connected by a shielded twisted copper cable of up to seven meters for remote operating convenience. Suitable for remote industrial control or automation, the PCI Express-to-PXI/CompactPCI extension kit is designed to withstand rugged environments and harsh operating conditions.

Controlling PXI/CompactPCI with PCI Express

The PCIe-8560 and PXI-8565 PCI Express-to-PXI/CompactPCI extension kit provides additional PXI slots to the host computer by implementing a PCI Express-based control of PXI/CompactPCI modules. The technology consists of a PCIe-8560 card installed in the host computer, a shielded cable, and the extension system with the 3U (Eurocard) PXI-8565 extension module. The PCIe-8560 comes in a PCI Express x1 footprint and converts PCI Express signals to a PCI bridge that supports 32-bit/66 MHz PXI/CompactPCI modules.

Specifications



PCIe-8560

- Compliant with PCI Express Base Specifications Rev. 1.0a
- PCI Express x1 link with 250 MB/s data throughput
- Extended distance of up to 7 meters
- Dimension: Low-profile PCI Express card 69 mm (H) x 87 mm (W)
- Power requirement:

Device	+3.3 V
PCIe-8560	210 mA (max)



PXI-8565

- Compliant with PXI™ Specifications Rev. 2.2
- Compliant with PCI-to-PCI Bridge Architecture Specifications Rev. 1.2
- Compliant with PCI™ Local Bus Specifications Rev. 3.0
- Supports 32-bit/66 MHz PCI™ interface
- Extended distance of up to 7 meters
- Dimensions: 3U PXI form factor 175 mm (W) x 107 mm (H)
- Power requirement:

Device	+3.3 V
PXI-8565	720 mA

General Specifications

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 80°C
- Relative humidity: 10 % to 90 %, non-condensing

Certification

- EMC/EMI: CE, FCC Class A



ACL-EXPRESS-1/3/7

- Length
 - ACL-EXPRESS-1: 1 M
 - ACL-EXPRESS-3: 3 M
 - ACL-EXPRESS-7: 7 M
- Construction: Shielded twisted pair copper cable
- Signal bandwidth: 2.5 Gbps

Applications

- Industrial automation or control
- Electronics manufacturing test
- Military/aerospace
- Video capture
- Remote test and measurement
- Test system for rugged environments
- High-density I/O system



3U PXI chassis with extension kit components

Ordering Information

- **PCI Express-to-PXI Extension Kit**
Including one PCIe-8560, one PXI-8565, and one ACL-EXPRESS-3 cable
- **PCIe-8560**
PCI Express-to-PXI extension interface card for host PC
- **PXI-8565**
PCI Express-to-PXI extension interface card for PXI chassis
- **ACL-EXPRESS-1**
High-speed extension cable, 1 M
- **ACL-EXPRESS-3**
High-speed extension cable, 3 M
- **ACL-EXPRESS-7**
High-speed extension cable, 7 M