PCIe-8560/PXI-8565

PCI Express-to-PXI/CompactPCI Expansion Kit

PCIe-8560

PXI-8565

Introduction

The PCI Express-to-PXI/CompactPCI expansion kit provides control of PXI/CompactPCI modules installed in a PXI/CompactPCI expansion system using the high-bandwidth PCI Express technology. With comprehensive hardware and software transparency, the expansion kit enables fast and convenient detection of any installed PXI/CompactPCI cards in the expansion 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 expansion kit is designed to withstand rugged environments and harsh operating conditions.

Controlling PXI™/Compact® PCI with PCI Express2®

The PCIe-8560 and PXI-8565 PCI Express-to-PXI/CompactPCI expansion 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 expansion system with the 3U (Eurocard) PXI-8565 expansion 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.

PCIe-8560   PXI-8570   ACL-EXPRESS-1/-3/-7

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
■ Expansion distance of up to 7 meters
  (expansion 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

General Specifications

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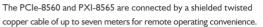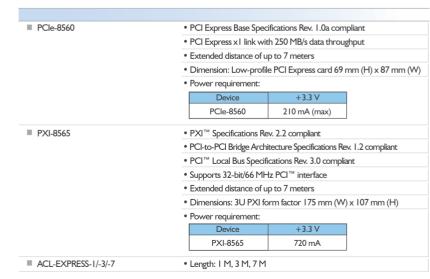• Relative humidity: 10% to 90%, non-condensing

Certification

• EMC/EMI: CE, FCC Class A

Ordering Information

■ **PCI Express-to-PXI Expansion Kit**
  Includes One PCIe-8560, One PXI-8565, and One ACL-EXPRESS-3 Cable

■ **PCIe-8560**
  PCI Express-to-PXI Expansion Interface Card for host PC

■ **PXI-8565**
  PCI Express-to-PXI Expansion Interface Card for PXI Chassis

■ **ACL-EXPRESS-1**
  High-speed Expansion Cable, 1 M

■ **ACL-EXPRESS-3**
  High-speed Expansion Cable, 3 M

■ **ACL-EXPRESS-7**
  High-speed Expansion Cable, 7 M

Specifications

■ PCIe-8560	• PCI Express Base Specifications Rev. 1.0a compliant
	• 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	• PXI™ Specifications Rev. 2.2 compliant
	• PCI-to-PCI Bridge Architecture Specifications Rev. 1.2 compliant
	• PCI™ Local Bus Specifications Rev. 3.0 compliant
	• 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

■ ACL-EXPRESS-1/-3/-7	• Length: 1 M, 3 M, 7 M

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