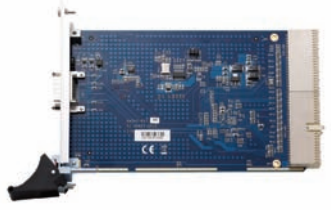
EC-8560/PXI-8565

ExpressCard-to-PXI/CompactPCI Expansion Kit



EC-8560



PXI-8565

Introduction



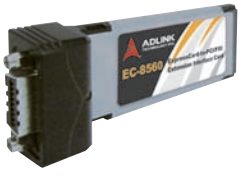
The ExpressCard-to-PXI/CompactPCI expansion kit allows you to control PXI™/CompactPCI® modules installed in PXI™/CompactPCI® chassis using the ExpressCard™ slot in your laptop computer. ExpressCard™ technology leverages the features of PCI Express® bus but in a small form factor for laptop computer usage. With comprehensive hardware and software transparency, the expansion kit enables fast and convenient detection of any installed PXI™/CompactPCI® cards in a PXI™ chassis, without requiring additional drivers or software installation. The EC-8560 and PXI-8565 are connected by a shielded twisted copper cable of up to 7 meters in length for remote operating convenience. Supporting the ExpressCard™ interface, the ExpressCard-to-PXI/CompactPCI expansion kit provides laptop users great portability and convenience for remote control and measurement applications.

Controlling PXI™/CompactPCI® with ExpressCard™

The EC-8560 implements the novelty of a PXI™ remote controller to allow users control of PXI™/CompactPCI® modules via a laptop computer. The technology consists of an EC-8560 installed in the laptop computer, a PXI-8565 installed in an expanded PXI™ chassis, and a shielded cable to connect them. The EC-8560 comes in an ExpressCard/34 footprint and transmits PCI Express® signals to a shielded twisted cable. The PXI-8565 then converts the signals and works as a PCI™ bridge that supports 32-bit/66 MHz PXI™/CompactPCI® modules.

Note

Due to BIOS design, some laptop computers may be limited by system resource allocation for external PCI™ devices. ADLINK tests various laptop computers for compatibility with our ExpressCard-to-PXI expansion kit. Please visit the ADLINK website or contact us for compatibility information.



EC-8560



PXI-8565



ACL-EXPRESS-1/-3/-7

Features

- **ExpressCard™-based control of PXI™/CompactPCI®**
- **High-speed PCI Express® x1 interface**
- **Direct control of PXI™/CompactPCI® systems via laptop computer**
- **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**
  - **ExpressCard™ Standard Release 1.2**
  - **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

- **ExpressCard-to-PXI Expansion Kit**
  Includes One EC-8560, One PXI-8565, and One ACL-EXPRESS-3 Cable
- **EC-8560**
  ExpressCard-to-PXI Expansion Interface Card for Host Laptop Computer
- **PXI-8565**
  ExpressCard-to-PXI Expansion Interface Card for PXI Chassis
- **ACL-EXPRESS-1/-3/-7**
  High-speed Expansion Cable, 1/3/7 M

Specifications

EC-8560

- ExpressCard™ Standard Release 1.2 compliant
- PCI Express® Base Specification Rev. 1.0a compliant
- PCI Express® x1 link with 250 MB/s data throughput
- Extended distance of up to 7 meters
- Dimension: ExpressCard/34 108 mm (W) x 34 mm (H)
- Power requirements:

Device	+3.3 V
EC-8560	210 mA

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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