

PCIe-PXIe-8638

PCI Express Control of PXI Express



Introduction

The PCIe-PXIe-8638 PCI Express-to-PXI Express expansion kit provides control of PXI Express modules installed in a PXI Express chassis using high bandwidth PCI Express technology. The extension kit can provide up to 4GB/s using PCIe Gen 2 x8 signaling. With comprehensive hardware and software transparency, the expansion kit enables fast and convenient detection of any PXI cards installed in the system, requiring no additional drivers or software.

Controlling PXI™ with PCI Express®

The PCIe-PXIe-8638 PCI Express-to-PXI Express expansion kit provides additional PXI instruments slots to the host computer by implementing a PCI Express-based control of PXI modules. The technology consists of a PCIe-8638 host adapter installed in the host computer, a PCIe x8 cable, and a PXIe-8638, a remote controller with the 3U (Eurocard) expansion module. The PCIe-8638 comes in a PCI Express x8 footprint and equips with PCIe x8 cable connector.

Features

- PXI-5 PXI Express hardware specification Rev.1.0 compliant
- PCI Express® Base Specifications Rev. 1.0a
- Maximum system throughput 4 GB/s
- PXI Express link capability:
 - Four links configuration: x4 x4 x4 x4
 - Two links configuration: x16 x8
- Expansion distance of up to 5 meters (expansion cables at 2 meter or 5 meter)
- Comprehensive hardware and software transparency

General Specifications

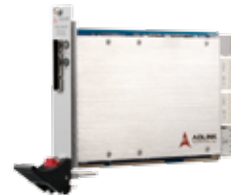
- Operating temperature: 0°C to 55°C
- Storage temperature: -20°C to 70°C
- Relative humidity: 10% to 90%, non-condensing

Ordering Information

- **PCIe-PXIe-8638 PCI Express-to-PXI Express Expansion 2 meter Kit**
Includes one PCIe-8638, one PXIe-8638, and one ACL-PCIEX8-2 2 meter cable
- **PCIe-PXIe-8638 PCI Express-to-PXI Express Expansion 5 meter Kit**
Includes one PCIe-8638, one PXIe-8638, and one ACL-PCIEX8-5 5 meter cable



PCIe-8638



PXIe-8638



PCIe-PXIe-8638

Specifications

■ PCIe-8638	<ul style="list-style-type: none"> • PCI Express Base Specifications Rev. 1.0a compliant • PCI Express Gen 2 x8 link with 4GB/s data throughput • Extended distance of up to 5 meters • Dimension: Low-profile PCI Express card 142 mm (W) x 69 mm (H)
■ PXIe-8638	<ul style="list-style-type: none"> • PXI-5 PXI Express hardware specification Rev.1.0 compliant • PCIe Gen 2 x8 cable connector with 4GB/s data throughput • PXI Express link capability: <ul style="list-style-type: none"> - Four links configuration: x4 x4 x4 x4 - Two links configuration: x16 x8 • Dimensions: 175 mm (W) x 107 mm (H)