

PCle-PXIe-68638

PCle to PXIe Remote Controller kit



Features

- PXI-5 PXI Express hardware specification rev.2.0 compliant
- PCI Express® Base specifications rev.2.0 compliant
- PCIe Gen 2 x8 each support up to 4GB/s
- PXI Express link capability:
 - Four link configuration: x4 x4 x4 x4
 - Two link configuration: x16 x8
- Expansion distance up to 5m with 2m or 5m expansion cables
- Comprehensive hardware and software transparency
- Flexible option for multi-chassis expansion as a daisy-chain or star-chain configured

Introduction

The PCIe-PXIe-68638 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.

The PCIe-PXIe-68638 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-68638 host adapter installed in the host computer, a PCIe x8 cable, and a PXIe-68638, a remote controller with the 3U (Eurocard) expansion module. The PCIe-68638 comes in a PCI Express x8 footprint and equips with PCIe x8 cable connector.

PXIe-68638D with dual ports provides capability of multi-chassis control as a daisy-chain configured. The upper port would be connected to a PCIe-68638 which be installed in a host PC. And the lower port would be connected to another PXIe-68638 or PXIe-68638D in subsequent chassis.

PXIe-68638P also is another option on multi-chassis expansion as a daisy-chain or star-chain configured for user only having PXIe-68638 at first place. with PXIe-68638P in a peripheral slot, it can connect to another chassis with PXIe-68638 or PXIe-68638D to establish multi-chassis control.

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.

Ordering Information

- PCIe-PXIe-68638
PCI Express-to-PXI Express Expansion 2 meter Kit
Includes one PCIe-68638, one PXIe-68638, and one ACL-PCIEX8-2 2 meter cable
- PCIe-68638
PXIe remote controller for PCIe-to-PXIe cable extension
- PXIe-68638D
PXIe remote controller for PXIe DaisyChain expansion, 2 port
- PXIe-68638P
PXIe-to-PXIe extension for multi-chassis expansion as a daisy-chain or star-chain configured

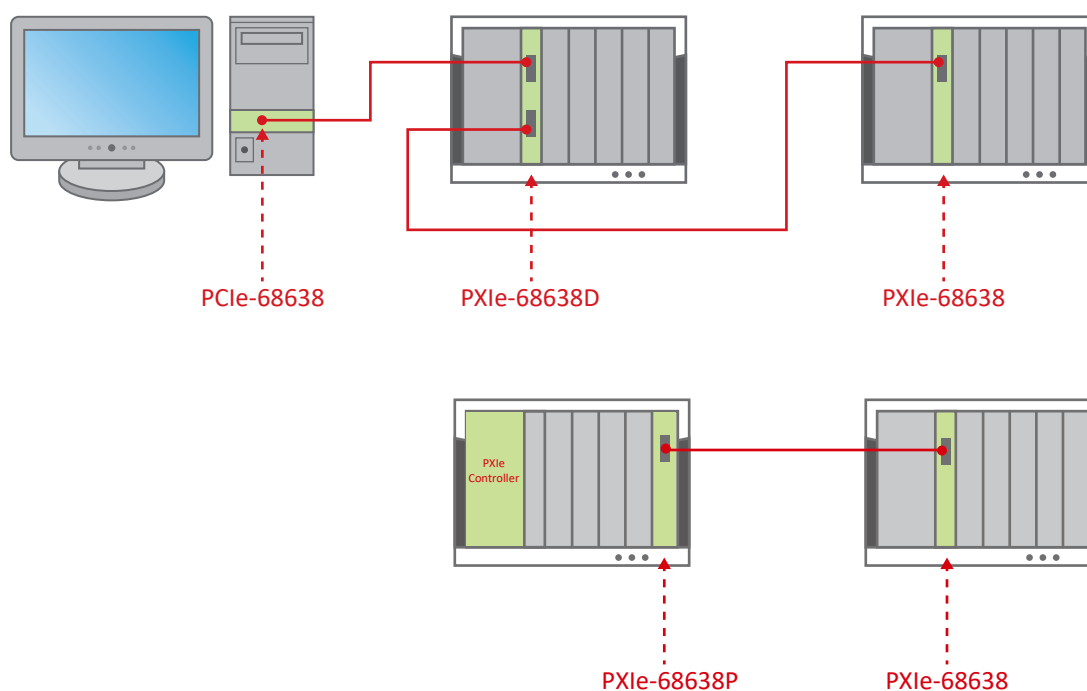
Cable Accessories

- ACL-PCIEX8-2
2M Cable Kit for PCIe-PXIe system expansion
- ACL-PCIEX8-5
5M Cable Kit for PCIe-PXIe system expansion

Specifications

| Model Name | PXIe-68638 | PXIe-68638D | PXIe-68638P |
|-------------------------|--|--|--|
| Compliance | PXI-5 PXI Express hardware specification Rev.2.0 compliant | PXI-5 PXI Express hardware specification Rev.2.0 compliant | PXI-5 PXI Express hardware specification Rev.2.0 compliant |
| Maximum data throughput | PCI Express gen 2 x8 link with 4GB/s data throughput | Two PCIe gen 2 x8 ports each up to 4GB/s data throughput | |
| Extended distance | Up to 5m | Up to 5m | Up to 5m |
| Installation | Controller slot 1 | Controller slot 1 | Peripheral slot |
| Dimensions | PXI Express system module: 175 mm (W) x 107 mm (H) | | |
| Operating temperature | 0°C to 55°C | | |
| Storage temperature | -40~71°C (-40~158°F) | | |
| Relative humidity | 10% to 90%, non-condensing | | |

Product Illustration



Bus Extension Card Selection Guide

| JYTEK Bus extension card | Connector form factor | | | |
|--------------------------|-----------------------|-----------------------------|----------------------|------------------|
| | PCIe X8 | PXIe system controller slot | PXIe peripheral slot | PXIe Hybrid slot |
| PCIe-68638 | √ | | | |
| PXIe-68638 | | √ | | |
| PXIe-68638D | | √ | | |
| PXIe-68638P | | | √ | √ |



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