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## PXI Express FAQ - PXI Express hybrid slot

- **What is a PXI Express hybrid slot? Are all PXI modules compatible with the PXI Express hybrid slot?**

The PXI Express chassis features a unique hybrid peripheral slot design, as shown in Figure 1, accepting PXI Express, cPCI Express, cPCI, and hybrid slot-compatible PXI modules (with XJ4 connector). Legacy PXI-1 modules (with J2 connector) need to be upgraded to hybrid slot-compatible PXI modules.

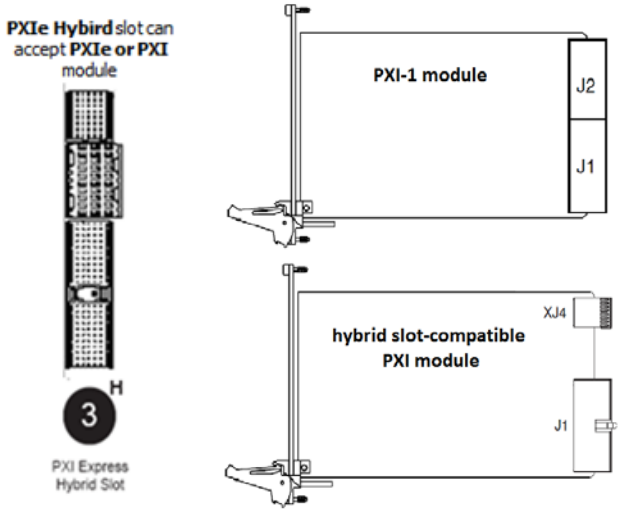



*Figure 1. PXI Express hybrid slot, PXI-1 module, and hybrid slot-compatible PXI module (clockwise from left)*

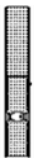
| Slot Type / Module Type | Inside PXI Chassis | Inside PXI Express Chassis | | |
|---|---|---|---|---|
| | PXI-1 slot | PXIe slot | PXIe Hybrid slot | Timing slot |
| |  |  |  |  |
| **PXI-1** | V | X | △ | X |
| **hybrid slot-compatible PXI** | V | X | V | X |
| **cPCI** | V | X | V | X |
| **PXI Express** | X | V | V | V |
| **cPCIe** | X | V | V | V |

*Figure 2. Comparison of different slot types and PXI modules*

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For legacy PXI-1 modules with J2 connector, the physical connector must be replaced to achieve compatibility with PXI Express hybrid peripheral slots. As shown in Figure 3, this is accomplished by removing the J2 connector and replacing it with the XJ4 connector.

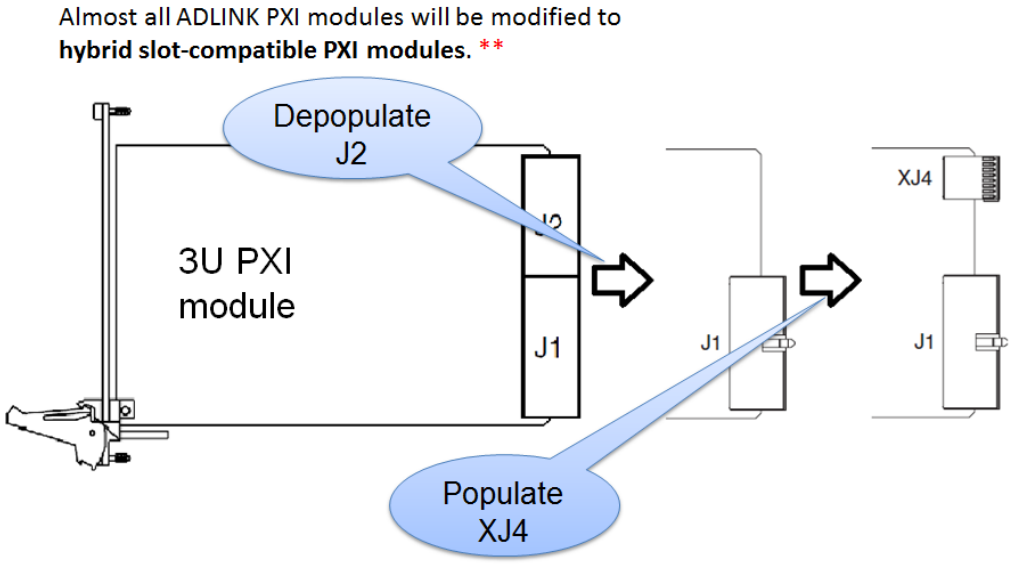



*Figure 3. Connector Modification of the PXI Module for Hybrid Slot Compatibility: Depopulate the J2 connector from the chosen PXI-1 module, and populate the eHM (XJ4) connector.*

- **Can ADLINK help me to upgrade existing ADLINK PXI modules to hybrid slot-compatibility?**

Yes, ADLINK will help achieve compatibility by removing the J2 connector and replacing it with the XJ4 connector through the RMA processes for a nominal fee. It should be noted that the PXI star trigger out function of PXI-9820, PXI-2020, PXI-2022, PXI-7901, PXI-7902, and PXI-7903 only support first segment slots after changing the J2 connector to XJ4 connector. Please contact your ADLINK sales representative if you need to upgrade ADLINK legacy PXI modules. If the PXI modules were purchased from a 3rd party, please contact the original vendor. An RMA form template for this kind of request is available from the ADLINK Partner Center at http://partner.adlinktech.com/RMA_TW/Apply.aspx.

**Entering information online.(* Indicates a required field)**

| | Serial No. * | Product No. | Model Name * | Symptom (250 characters only) * |
|---|---|---|---|---|
| Add | 9A18NB1036 | | PXI-2010 | Convert J2 to 21-D232F-0400 XJ4 Connector. |

Maximum character count (space included): 250. 42 used now.

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- **Will future PXI modules from ADLINK be all hybrid slot-compatible?**

ADLINK is presently modifying most of our PXI modules previously using the J2 connector, to achieve compatibility in PXI Express hybrid peripheral slots. We again remind you that not all existing modules are readily hybrid slot-compatible. Some legacy products such as PXI-9820 and PXI-2020 PXI data acquisition modules will not be converted to the new connector, to retain the original PXI Star trigger function.

ADLINK PXI modules will be modified to hybrid slot-compatibility for adoptability by the PXIe chassis from April, 2012. For detailed compatibility, please check the detailed list of ADLINK PXI Hybrid Slot-compatible modules online,
at: http://www.adlinktech.com/PD/web/PD_OtherDocument.php?PDNo=1105&Kind=OD