

MXI-E THUNDERBOLT



MXI-EXPRESS THUNDERBOLT BUS EXPANDER

- Supports remote control of PXI Express and CompactPCI Express chassis
- (2) Thunderbolt 3.0 Ports
- Backwards compatible with previous Thunderbolt generations
- Additional port available for connection to Thunderbolt peripherals



DESCRIPTION

The MXI-Express Thunderbolt remote control module allows for direct control of a PXI Express chassis from a Thunderbolt 3 USB port in a laptop, desktop computer or server. The MXI-Express Thunderbolt technology utilizes a high-bandwidth link that is transparent to device drivers providing CompactPCI Express-level support for PXI Express instrumentation and switching without the need for additional software.

Provided with two ports, the MXI-Express Thunderbolt card supports one connection to the host computer with a second port available to daisy-chain from the PXI chassis to additional Thunderbolt 3 compatible devices such as monitors. The card supports 2 and 4-link chassis configurations.

The Thunderbolt remote control module is not recommended for daisy chaining multiple chassis. Please review MTS' other chassis controllers and bus expanders for multi-chassis applications.

Typical configurations will utilize the MXI-Express Thunderbolt active cable, providing a two meter connection between the host's Thunderbolt 3 USB port and the MXI interface.

APPLICATIONS

- Remote control of a PXI chassis via desktop PC with Thunderbolt interface

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SPECIFICATIONS

| POWER REQUIREMENTS | |
|---------------------------------|--|
| MXI-Express Thunderbolt | +3.3 V: 480 mA (typ.); 600 mA (max) +5 V: 420 mA (typ.); 500 mA (max) +5 V AUX: 160 mA (typ.); 200 mA (max) +12 V: 850 mA (typ.); 4.2 A (max) |
| GENERAL | |
| Operating Temperature | 0 °C to +55 °C |
| Storage Temperature | -40 °C to +71 °C |
| Operating Relative Humidity | 10% to 90%, non-condensing |
| Storage Relative Humidity | 5% to 95%, non-condensing |
| Operating Shock | 30 g peak, half-sine, 11 ms pulse (Tested in accordance with IEC-60068-2-27. Meets MILPRF-28800F Class 2 limits.) |
| Random Vibration - Operating | 5 Hz to 500 Hz, 0.3 grms) |
| Random Vibration - Nonoperating | 5 Hz to 500 Hz, 2.4 grms (Tested in accordance with IEC-60068-2-64. Nonoperating test profile exceeds the requirements of MILPRF- 28800F, Class 3.) |
| Dimensions | 4.4" x 6.9" (10.7 cm x 17.5 cm) |
| Weight | 0.35 lb (typ.) |
| Safety | IEC 61010-1, EN 61010-1 UL 61010-1, CSA 61010-1 |
| EMC | EN 61326-1 (IEC 61326-1): Class A emissions; Basic immunity EN 55011 (CISPR 11): Group 1, Class A emissions |
| Compatibility | Fully compatible with the PXI Express Hardware Specification, Revision 2.0, PICMG CompactPCI Express EXP.0 R2.0 Specification, and Intel Thunderbolt 3 |

Note: Specifications are subject to change without notice

ORDERING INFORMATION

| MXI-E Thunderbolt | MXI-Express Thunderbolt Bus Expander |
|--------------------------|---|
| ACCESSORY | |
| MXI-E Thunderbolt-CBL-2M | MXI-E Thunderbolt-CBL-2M, Thunderbolt Cable, 2M, Active |

Note: The MXI-E Thunderbolt is supplied by a 3rd party and resold by Marvin Test Solutions.