

MXIe-x1 SERIES



PXI EXPRESS BUS EXPANDER X1 GEN 3,1 PORT,3M CBL

- Supports remote control of PXI-Express and Compact PCI Express chassis
- Transparent PCI - Express bridge operation
- x1 Gen 3 PCI-Express lane configurations
- 208 MB/s data rate
- Control one PXI-Express chassis with a single PCI Express interface card
- 3 meters Cable
- Rugged connectivity



DESCRIPTION

The MXIe PXI-Express Bus Expander allows for direct control of PXI-Express systems from any PCI Express slot in a desktop computer or server. MXIe-Express configurations supporting x1 (208 MB/s) PCI-Express lane to remotely control one PXIExpress chassis. The MXIe-Express technology utilizes a high bandwidth link that is transparent to software applications and drivers, providing the ability to use high performance desktop computers or servers to control PXI-Express systems.

FEATURES

Since PXI-Express is based on the industry-standard PCI-Express bus, the MXIe-Express Bus Expanders provide a transparent link where all PXI and PXI-Express modules appear to the user as if they were PCI or PCI-Express boards within the computer itself. However, with PXI technology, users benefit from an increased number of slots, power and cooling per slot, module selection, and synchronization features. The MXIe-Express employs a high speed serial link to control the PXI-Express chassis. Interfacing cables for the MXIe-Express are available in 3 meter length.

The MXIe-Express is available in x1 configuration supports a sustained data throughput rate of 208 MB/s

APPLICATIONS

- Remote control of PXIe chassis
- Remote control of cPCIe chassis

SPECIFICATIONS

POWER REQUIREMENTS	
+5 V	PXIe (x1): 1 A (typ); 0.25 mA (max)
+ 5 V (aux)	PXIe (x1): 110 mA (typ); 300 mA (max)
+3.3 V	PXIe (x1): 750 mA (typ); 1.2 A (max) PCle (x1): 650 mA (typ); 1150 mA (max)
+3.3 V aux	PCle (x1): 1 mA (typ); 10 mA (max)
+12 V	PXIe (x1): 0300 mA (typ); 800 mA (max)
ENVIRONMENTAL TEMPERATURE RANGE	
Operating	0 °C to +55 °C
Storage	-20 °C to +70 °C
RELATIVE HUMIDITY	
Operating	10 to 90%, non-condensing
Storage	5 to 95%, non-condensing
SHOCK AND VIBRATION	
Operational Shock	30 g peak, half-sine, 11 ms pulse (Tested in accordance with IEC-60068-2-27. Test profile developed in accordance with MIL-PRF-28800F.)
Random Vibration (operating)	5 to 500 Hz, 0.3 G rms
Random Vibration (non-operating)	5 to 500 Hz, 2.4 G rms (Tested in accordance with IEC 600060-2-64. Non-operating profile exceeds the requirements of MIL-PRF 28800F, Class 3.)
DIMENSIONS	
PXI-Express I/F	3U PXI slot, 10.0 x 16.0 cm (3.9" x 6.3")
PCI-Express	10.7 x 17.5 cm (4.4" x 6.9")
GENERAL	
Maximum Cable Length	7 meters

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Compatibility	Fully compatible with PXI Express Hardware Specification 1.0 and PICMG CompactPCI Express EXP.0 R1.0 Specifications.
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Note: Specifications are subject to change without notice

ORDERING INFORMATION

MXIe-Express-x1	PXIe, PCIe, 3m Cbl
PCIe Device for PXI Remote Control x1	PCIe Device for PXI Remote Control x1
PXIe Remote Control x1	PCIe Device for PXI Remote Control x1
ACCESSORY	
MXI-CBL-PCIe-X1-1M- AD	MXI-E x1 Copper Cable 1M
MXI-CBL-PCIe-X1-3M- AD	MXI-E x1 Copper Cable 3M
MXI-CBL-PCIe-X1-7M- AD	MXI-E x1 Copper Cable 7M

Note: The MXIe-x1 Series is supplied by a 3rd party and resold by Marvin Test Solutions.