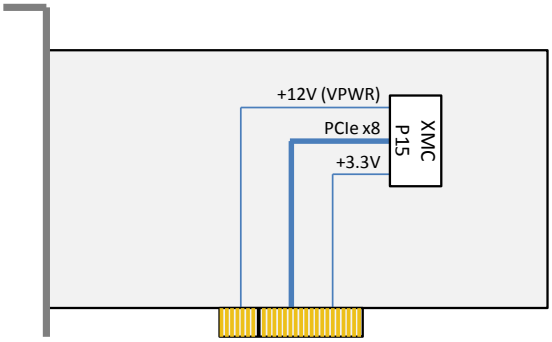
XMC To PCIe Adapter Board

ADPT-XMC2PCIE-A Data Sheet: Passive XMC to PCIe Adapter Board

ADPT-XMC2PCIE-A

The Critical I/O ADPT-XMC2PCIE-A is a passive adapter card that allows industry standard XMC form factor boards to be used in the PCIe slots of standard personal computers, servers and motherboards. Critical I/O has tested and validated all of Critical I/O Fibre Channel and Ethernet XMC boards for use in PCIe x8 and x16 motherboard style PCIe slots.



Block Diagram: ADPT-XMC2PCIE-A is a passive 8 lane XMC to PCIe slot adapter

ADPT-XMC2PCIE-A Features:

- **Accepts VITS 42.3 XMC board**
- **Accepts XMCs with up to x8 PCIe interface**
- **Physically compatible with x8 or x16 PCIe slots**
- **+12V XMC VPWR power from PCIe slot**
- **+3.3V XMC power from PCIe slot**
- **Jumper control of XMC global address**
- **Jumper control of EEPROM write protection**
- **Compatible & validated with Critical I/O XMCs**
- **Optional cooling fan**

Technical Specifications

Architecture	8 Lane passive PCIe to XMC adapter
Physical PCIe interface	Compatible with x8 and x16 PCIe motherboard connectors
Electrical PCIe interface	x1, x2, x4, x8
XMC Compatibility	VITA 42, VITA 42.3
Jumpers	GA, MVMRO, ROOT, I2C SCLK, I2C SDATA
LEDs	+12V present, +5V present, +3.3V present
Weight	4 oz
Power	PCIe slot +12V applied to XMC VPWR connections PCIe slot +3.3V applied to XMC +3.3V connections
Operating Temperature	0C to +55C
Storage Temperature	-20C to +70C
Operating Humidity	ADPT-XMC2PCIE-A: 10-90%, non-condensing ADPT-XMC2PCIE-A-HC: 0-95%, non-condensing
Storage Humidity	ADPT-XMC2PCIE-A: 5-95%, non-condensing ADPT-XMC2PCIE-A-HC: 0-100%,condensing
Altitude	15,000 ft
Model Numbers	ADPT-XMC2PCIE-A: no conformal coating ADPT-XMC2PCIE-A-HC: Humiseal conformal coating