XMC-Stor

6 TB High-Speed PCIe Gen 3 x 8
Triple M.2 SSD Storage

Overview

The XMC-Stor is an XMC SSD storage module that enables the connection of up to three M.2 cards on an industry standard (VITA 42.3) XMC form-factor board. Each M.2 site incorporates a PCIe Gen3 x4 interface.

An onboard PCIe Gen3 x8 switch connects to three PCIe Gen3 x4 lanes. Each Gen3 x4 lane connects to a single SSD card. With up to three M.2 SSD modules populated on the XMC-Stor, a fast and reliable terabyte software RAID system can be configured for mass storage applications.

The XMC-Stor enables multi-gigabyte data streaming on VPX and CompactPCI form-factor platforms. In addition, system storage configurability is supported, enabling multiple terabyte storage options for users. The XMC-Stor, joins DEG's DAQStor line of SSD RAID systems as a dependable and high performance set of system storage options.

Windows and Linux operating systems are supported.

With the XMC-Stor, Delphi Engineering Group continues to drive innovation in the latest generation of high-speed, streaming data recording and playback systems.

BENEFITS

- Improved Bandwidth Over SATA SSDs
- High-Performance Sequential Read/Write Speeds
- Enables High-Rate Streaming Applications
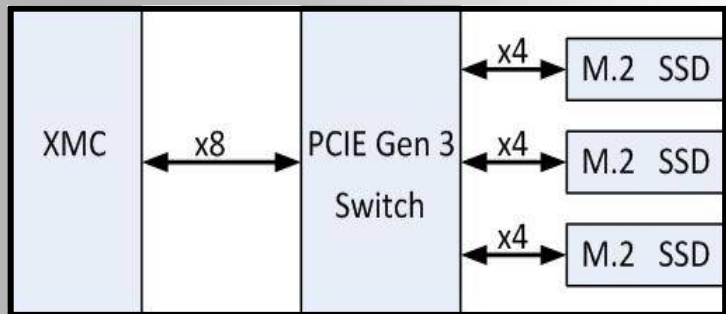- SWaP-C Optimized: High Density, Multi-Terabyte Storage in a Small Footprint

XMC FEATURES

- Conforms with VITA 42.3
- Peak Write Speed 6 GB/sec
- Peak Read Speed 7 GB/sec
- PCIe Gen3 x8 interface
- Air-cooled
- Multiple RAID Levels Supported

SSD PERFORMANCE

- 2 TB M.2 SSD Capacities Supported (6 TB Total) *Samsung PRO/EVO M.2 SSD
- Sequential Write Speeds Up to 2.1 GB/s per SSD
- Sequential Read Speeds Up to 3.1 GB/s per SSD

Samsung 960 PRO M.2 SSD Used in Calculations.