

1.8-inch SSD Drive Carrier XMC Adapter

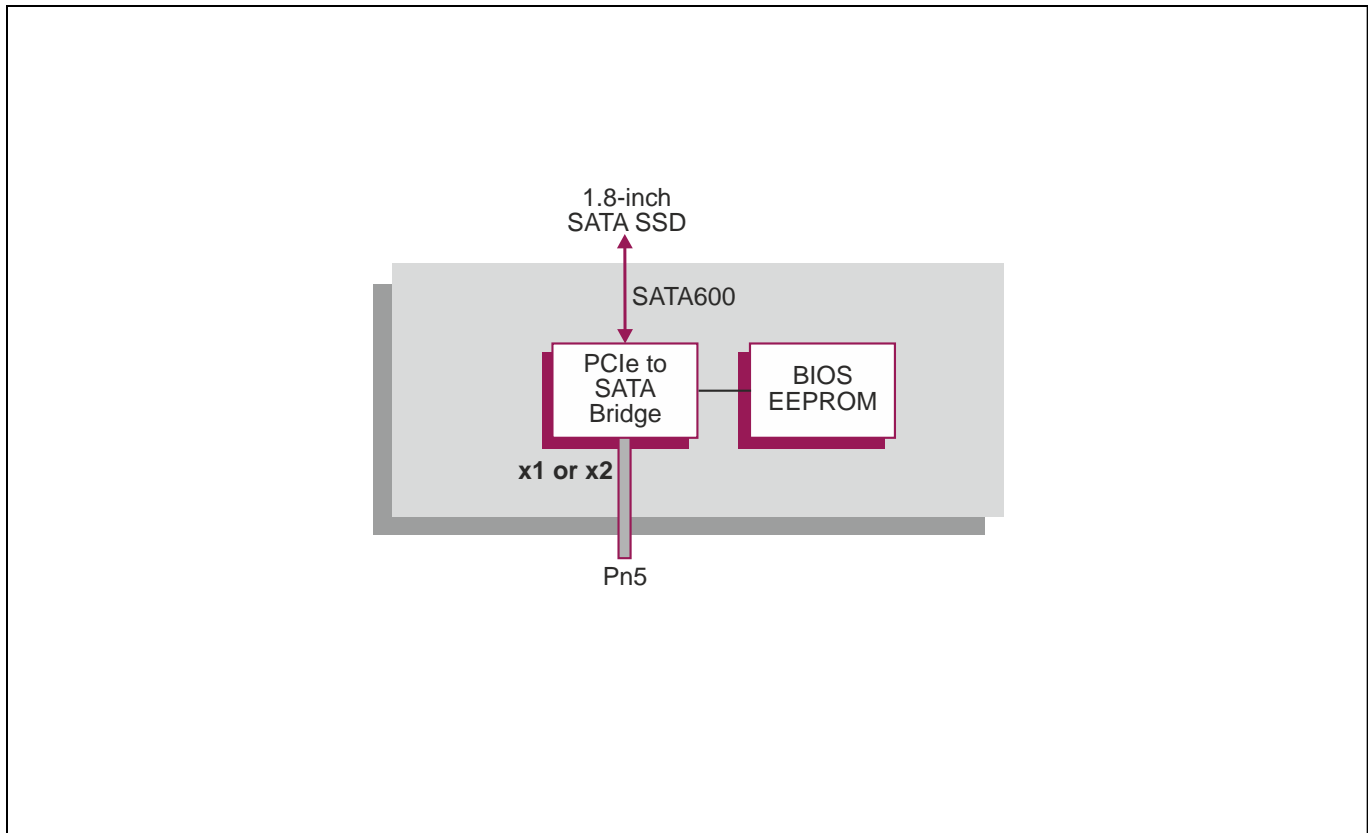
Key Features

XM 650/001 is an XMC adapter designed to carry a single 1.8-inch Solid-State-Disk (SSD) drive. The XMC adapter is designed for applications that require a front loading drive and is suitable for use with boards that have an XMC site.

- Designed for a single 1.8-inch SSD
- Drive inserted and removed via a front panel aperture
- Includes a mechanical retention cover
- Suitable for use on a board with an XMC expansion slot
- Extended operating temperature versions available



Build Option: 1.8-inch SSD Fitted



1.8-inch SSD Drive Carrier

- XMC adapter designed to carry a single 1.8-inch Solid-State-Disk (SSD) drive:
 - supports a SATA600 drive interface
- insert and remove via a front panel aperture:
 - includes a mechanical retention cover
 - hot-swap is not supported
- factory build options:
 - with or without 1.8-inch SSD fitted
 - legacy or UEFI BIOS
- front panel LED activity indicator

XMC Interface

- PCI Express® to SATA bridge, to SSD site
- complies with PCI Express Protocol Specification 2.0 including:
 - x1 or x2 PCI Express interface
 - supports Gen 1 and Gen 2

BIOS EEPROM

- 4Mbit SPI Flash EEPROM with BIOS firmware to support OS Boot
- In-circuit programmable

Software

- operating system support dependent on the host processor used

Electrical Specification

- maximum VPWR current without SSD drive fitted:
 - VPWR +5V @ 0.6A or
 - VPWR +12V @ 0.3A
- +5V +5%/-5%, +12V +5%/-5%
- -12V not utilized

Environmental Specification

- operating temperatures:
 - 0°C to +55°C (N-Series)
 - -25°C to +70°C (E-Series)
 - -40°C to +85°C (K-Series)
- non-operating temperature: -40°C to +85°C
- 5% to 95% Relative Humidity, non condensing:
 - K-Series includes humidity sealant

Mechanical Specification

- single size CMC (Common Mezzanine Card) 74mm x 149mm x 13mm:
 - conforming to ANSI/VITA 42.0-2008
- 10mm height stack module
- SSD drive maximum height 5mm

