

Dual CFast™ Carrier XMC Adapter

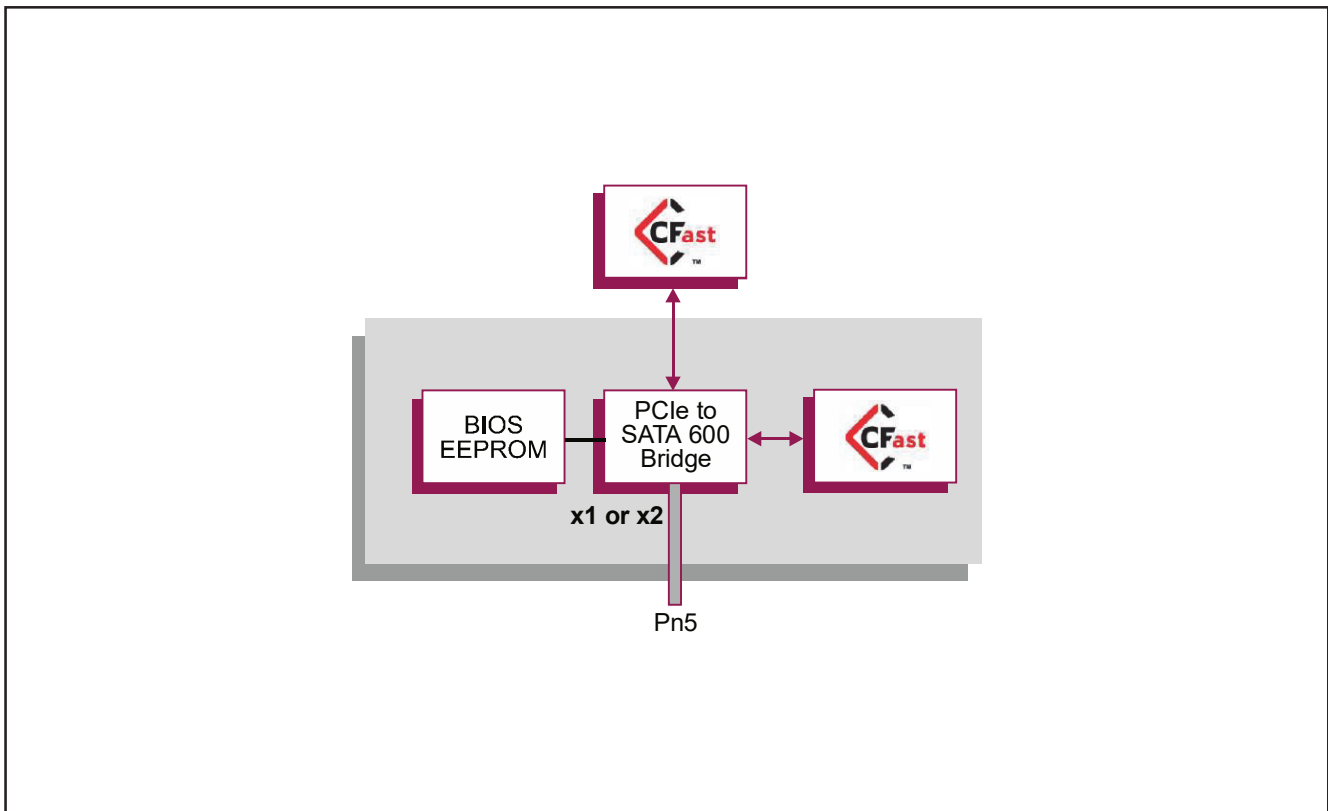
Key Features

XM 610/001 is an XMC adapter designed to carry up to two CFast™ storage cards, one of which can be inserted and removed via the front panel. It is suitable for use on a board with an XMC site.

- Designed for up to two CFast cards:
 - one card accessed via front panel aperture
 - one card fitted on-board
- Supplied with retention bracket(s)
- Suitable for use on a board with an XMC expansion slot
- Air and conduction-cooled versions available
- Extended operating temperature versions available



Example: 2 x CFast Cards Fitted



Dual CFast Carrier

- XMC adapter designed to carry up to two CFast™ cards (Type I):
 - transfer speeds up to 6 Gbps
 - support for Type I CFast cards up to SATA 3.0
 - 3.3V CFast cards only
- one card accessed via a front panel aperture and the other card uses an on-board site
- factory build options:
 - without CFast cards fitted
 - CFast card supplied and fitted to on-board site
- hot-swap is not supported
- front panel LED activity indicator

XMC Interface

- PCI Express® (PCIe®) to SATA bridge to both CFast sites
- 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 with no CFast card fitted:
 - +5V @ 0.6A or
 - +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:
 - conforming to ANSI/VITA 42.0-2008
- 10mm height stack module