

## Dual CFast Carrier XMC Adapter



### APPLICATIONS

XM 610/001 is an XMC adapter designed to carry up to two CFast™ cards (Type I). The XMC adapter is suitable for use with XMC host boards including VME, VXS™, VPX™ and CompactPCI®. CFast cards can be inserted and removed via the front panel (front card only) and via the onboard site. The adapter is designed for

applications such as telecommunications, scientific, security and defense markets. Application examples include data recorders, database management, or local system storage. For harsher environments extended temperature and ruggedized conduction-cooled versions are supported.

### HIGHLIGHTS

- XMC adapter designed to carry up to two CFast™ cards:
  - support for Type I CFast cards up to SATA 3.0
  - one card accessed via a front panel aperture and the other card uses an onboard site.
  - front panel LED activity indicator
  - includes mechanical retention brackets
- XMC (Switched Mezzanine Card) format:
  - single size CMC (Common Mezzanine Card)
  - x1 or x2 PCI Express® (Gen 1 and Gen 2) interface
- Extended temperature versions (E, K-Series):
  - E: -25°C to +70°C
  - K: -40°C to +85°C (includes humidity sealant)
- Ruggedized conduction-cooled versions (RC-Series):
  - RC: -40°C to +85°C (at card edge), conformally coated
  - conduction cooled to ANSI/VITA 20-2001 (R2005)
- For use with VME, VXS™, VPX™ and CompactPCI® and other XMC host boards
- Supported operating system is dependent on the host processor used

## 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 onboard 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

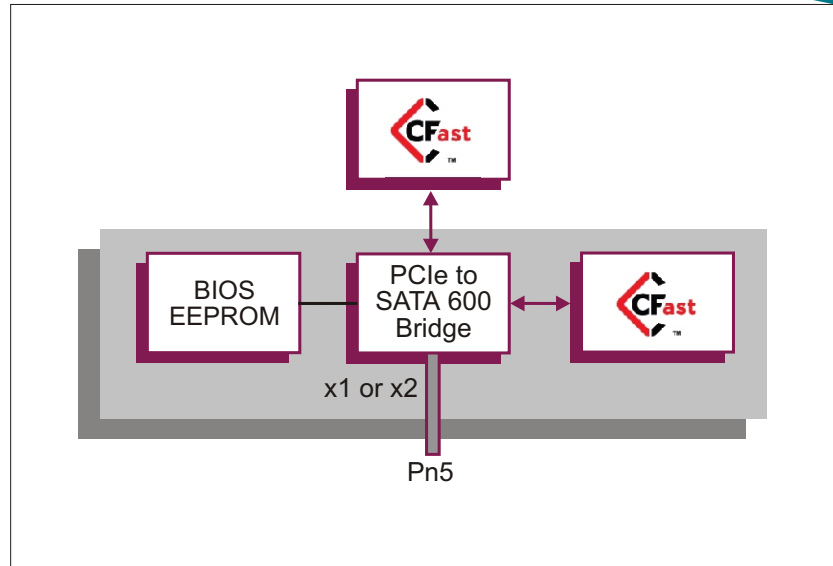
- maximum VPWR current with no CFast card fitted:
  - +5V @ 0.6A or
  - +12V @ 0.3A
- +5V +5%/-5%, +12V +5%/-5%
- -12V not utilized

## 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)
- storage temperature: -40°C to +85°C
- 5% to 95% Relative Humidity, non condensing (operating or storage):
  - 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



## ORDERING INFORMATION

### Order Number      Product Description (Hardware)

XM 610/001-yz      Dual CFast Carrier XMC Adapter

For the order number suffix (yz) options please contact your local sales office.

For accessories, extended temperature E-Series and K-Series, or ruggedized conduction-cooled RC-Series, please contact your local sales office.