

RRT-XMC-CFast-F-C XMC CFast Module: Conduction Cooled

THE XMC CFAST MODULE: CONDUCTION COOLED is a mezzanine storage module with a PCI Express SATA 3 controller that supports one fixed CFast.

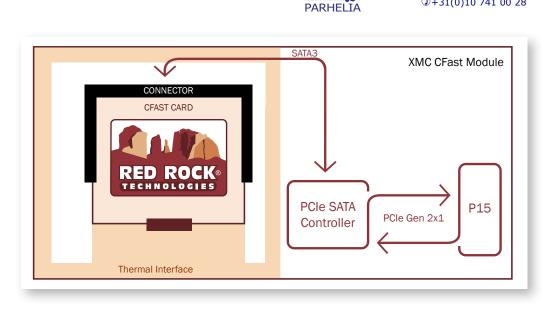
Provides boot drive and/or disk storage for VPX, VME, cPCI and ATCA single board computers (SBCs) with XMC Slot.

CFast is same form factor as Compact Flash but with SATA interface thus providing faster throughput.

- XMC PCIe Gen 2x1 interface per VITA 42.3
- Transfer rates up to 500 MB/s
- CFast capacities up to 1TB
- Conduction cooled
- Wide range of COTS CFast options
- CFast secured by rugged retainer clip
- High performance SATA3 transfer rates. Backwards compatible with SATA1/2
- Compatible with all SBCs with XMC slot
- Meets XMC VITA 42 height requirements
- –X version rated for -40°C to 85°C
- CFast with write protect switch available
- Front panel activity LED
- VxWorks, Linux, and Windows driver support
- ROHS compliant



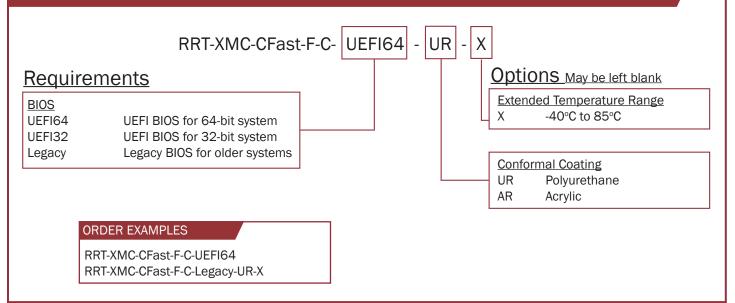
www.parheliabv.com (1)+31(0)10 741 00 28

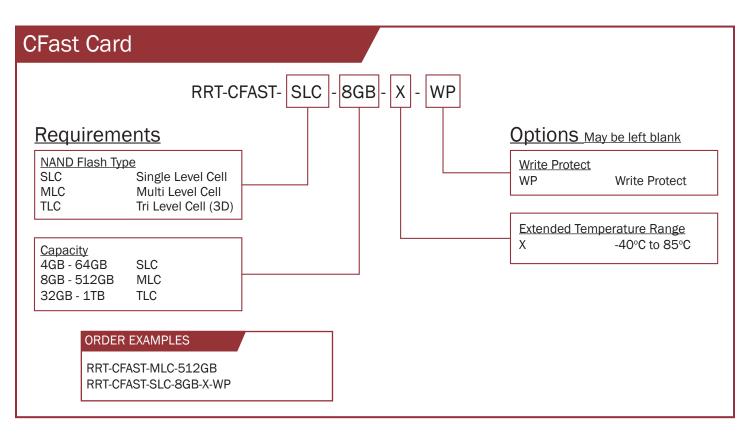


(480)-483-3777

Ordering Information

XMC CFast Module: Conduction Cooled







Parhelia B.V. www.parheliabv.com (1)+31(0)10 741 00 28

(480)-483-3777 •

Product Specifications

XMC CFAST MODULE: CONDUCTION COOLED

PERFORMANCE	
CAPACITIES	Up to 1TB
XMC INTERFACE	VITA 42.3/PCIe 2.0x1 Compliant
XMC INTERFACE SPEED (PCIe GEN1/GEN2)	2.5/5Gbits/s
CFAST INTERFACE	SATA 3 backwards compatible with SATA 1/2
SECTOR SIZE	512 bytes
RELIABILITY	
MTBF - XMC MODULE ¹	3 million hours
POWER	
VOLTAGE	VPWR +5V +/- 5% or +12V +/- 5%, +3.3+/- 0.3V
WATTS (IDLE)	1.2 W
WATTS (ACTIVE)	2.5 W
ENVIRONMENTAL	
OPERATING TEMP., VITA 47 CLASS	0°C to 70°C, CC1
EXTENDED OPERATING TEMP., VITA 47 CLASS ²	-40°C to 85°C, CC4
STORAGE TEMP.	-55°C to 95°C
ALTITUDE	80,000 ft. (24,000 meters)
RELATIVE HUMIDITY	5% to 95% non-condensing
SHOCK, VITA 47 CLASS ³	40g, 11 millisecond terminal sawtooth pulse
VIBRATION ⁴	0.1g ² /Hz
PHYSICAL	
FORM FACTOR	XMC
WEIGHT	3.5 oz. (100g max)
NOTES	
 Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0). Thermal qualification per MIL-STD-810, Method 501 Procedure II, and MIL-STD-810, Method 502, Procedure II. Shock qualification per MIL-STD-810E Method 516. Procedure I. 	

(3) Shock qualification per MIL-STD-810F, Method 516, Procedure I.

(4) Vibration qualification per MIL-STD-810F, Method 514, Procedure I.



Parhelia B.V. www.parheliabv.com ()+31(0)10 741 00 28



Red Rock Technologies, Inc. reserves the right to modify, change or discontinue specific products within its product line at its own discretion. Red Rock Technologies, Inc. does not assume any liability resulting from the application or use of its products. The information contained herein has been checked and is believed to be entirely accurate; however, no responsibility is assumed for inaccuracies. "Red Rock Technologies" and the mountain logo are registered trademarks of Red Rock Technologies, Inc. © Copyright 2023 Red Rock Technologies, Inc. All rights reserved. (Rev. 20230426a)

(480)-483-3777

www.redrocktech.com • 🖂 contact