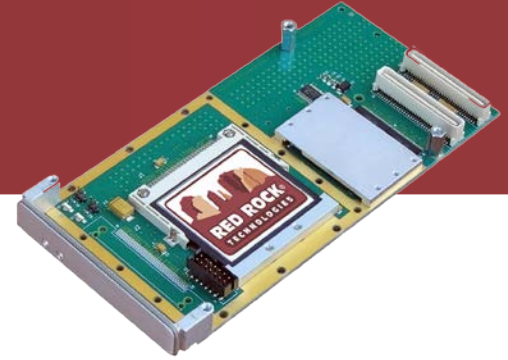


Conduction Cooled PMC Compact Flash Module

RRT-PMC-CF-C



The Conduction Cooled PMC Compact Flash (CF) module is a PMC mezzanine storage module with a FPGA based PC/ATA/IDE controller that supports on fixed compact flash. Ruggedized for extreme temperature, shock and vibration environments. Provides boot drive and/or disk storage for conduction cooled VME, VPX, CPCi and ATCA single board computers (SBCs) with a PMC slot.

FEATURES:

- PMC PCI 32-bit data at 33MHz/66MHz
- Conduction cooled for extreme temperature environments
- Robust design for high shock & vibration environments
- Uses COTS Compact Flash with current capacities up to 512GB
- Compatible with SBCs with a conduction cooled PMC slot
- Meets VITA 20
- 3.3V and 5.0V PCI interface compliant
- VxWorks™, Linux and Windows™ drivers available
- Compact Flash with write protect switch available
- ROHS compliant

Ordering Information – Conduction Cooled PMC Compact Flash Module

RRT-PMC-CF-C - **UR**

Options (may be left blank)

Conformal Coating

UR - polyurethane

AR - acrylic

Example: RRT-PMC-CF-C-UR

Example: RRT-PMC-CF-C-AR

Ordering Information – Compact Flash

RRT-CF - **SLC** - **512GB** - **WP**

Requirements

NAND FLASH Type

SLC – Single Level

MLC – Multi Level

Capacity in MB or GB

Any capacity up to 512GB

Options (may be left blank)

Write Protect

WP – Write Protect

Example: RRT-CF-MLC-512GB

Example: RRT-CF-SLC-60GB

Example: RRT-CF-MLC-128GB-WP

Conduction Cooled PMC Compact Flash Module Specifications

Performance	
Capacities	Up to 512GB
PMC Interface	VITA 20/PCI revision 2.2, 32-bit data at 33MHz/66MHz 3.3V and 5V PCI interface compliant
Compact Flash Interface	ATA PIO Mode 4 transfer rates
Sector Size	512
Reliability	
MTBF – Drive Carrier (1)	1 million hours
Power	
Voltage	+5V +/- 0.5V; +3.3V +/- 0.3V
Watts-idle	1.2
Watts-active	3.5
Environmental	
Temperature - Operating,VITA 47 Class	-40° to 85°C, CCA
Temperature - storage	-55° to 95°C
Relative Humidity	5% to 95%
Altitude	80,000 ft (26,000 meters)
Shock, VITA 47 Class	40g, OS2
Vibration, VITA 47 Class	0.1g ² /Hz
Physical	
Weight	3.2 oz; 91 g max

(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).

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 2018 Red Rock Technologies, Inc. All rights reserved. (Rev. 01/18/2018)

206 West Julie Drive - Suite 2, Tempe, AZ 85283 | United States of America

Tel: 480-483-3777 | Toll Free: 1-800-808-7837

www.redrocktech.com | info@redrocktech.com

© Copyright 2018 Red Rock Technologies, Inc.

