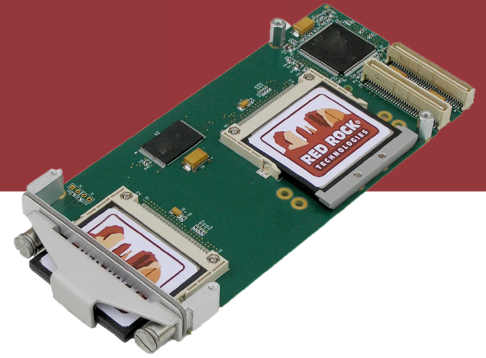


PMC Removable Compact Flash Module



RRT-PMC-CF

The PMC Removable Compact Flash (CF) module is a PMC mezzanine storage module with a dual-channel PCI ATA/IDE controller that supports:

- One Fixed CF
- One Removable CF
- One Fixed and one removable CF

Provides boot drive and/or disk storage for VPX, VME, cPCI and ATCA single board computers (SBCs) with PMC Slot. The CF connectors are rated for 10,000 mating cycles to support frequent insertions/removals.

FEATURES:

- PMC PCI 32-bit data at 33MHz per IEEE 1386-2001
- Transfer rates up to 133 MB/s
- Uses COTS CF drives for wide range of capacity/speed options
- Current capacities up to 1TB per PMC module (2 CF drives x 512GB)
- Removable CF drive secured by rugged retainer clip
- Robust design for high shock & vibration environments
- CF connectors rated for 10,000 mating cycles
- Compatible with all SBCs with a PMC slot
- Meets PMC IEEE 1386-2001 height requirements
- 3.3V and 5V PCI interface compliant
- VxWorks™, Linux and Windows™ drivers available
- Compact Flash with write protect switch available
- Front panel activity LEDs
- ROHS compliant



Parhelia B.V.
www.parhelia-bv.com
☎ +31(0)10 741 00 28

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 2017 Red Rock Technologies, Inc.



Ordering Information – PMC Removable CF Module

RRT-PMC-CF - R - UR

Options May be Left Blank

Port

R - Removable CF
F - Fixed CF

Conformal Coating

UR - polyurethane
AR - acrylic

Example: RRT-PMC-CF-R-UR

Ordering Information – Compact Flash Drive

RRT-CF - MLC - 512GB - 2 - WP

Requirements

NAND FLASH Type

SLC - Single Level
MLC - Multi Level

Capacity in MB, GB or TB

Any capacity up to 512GB for each CF (total 2 CF X 512 = 1TB)

Options (may be left blank)

Write Performance

1 - 16MB/s, 2 - 24MB/s, 3 - 33MB/s,
5 - 50MB/s, 6 - 60MB/s

Write Protect

WP - Write protect

Example: RRT-CF-MLC-512GB

Example: RRT-CF-SLC-60GB-6

Example: RRT-CF-MLC-128GB-2-WP



Parhelia B.V.
www.parhelia-bv.com
☎ +31(0)10 741 00 28

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 2017 Red Rock Technologies, Inc.



PMC Removable Compact Flash Module Specifications

Performance	
Interface	PCI revision 2.2, 32-bit data at 33MHz
Throughput/Read/Write	133 MB/s
Sector Size	512
Reliability	
MTBF – Drive Carrier (1)	3 million hours
Power	
Voltage	+5V +/- 5% +3.3V +/- 0.3V
Watts-idle	1.2
Watts-active	2.5
Environmental	
Temperature - operational	0° to 70°C
Temperature - storage	-40° to 85°C
Relative Humidity	5% to 95%
Altitude	80,000 ft (26,000 meters)
Shock	40g, 11 millisecond terminal sawtooth pulse
Vibration	0.1g ² /Hz
Physical	
Weight	3.2oz; 90.9 g max

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



Parhelia B.V.
www.parhelia-bv.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 2017 Red Rock Technologies, Inc. All rights reserved. (Rev. 09/07/2017)

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 2017 Red Rock Technologies, Inc.

