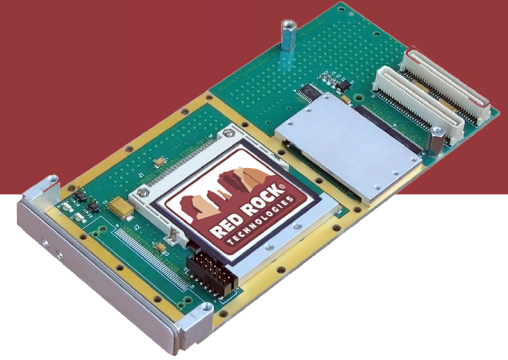


# Conduction Cooled PMC Compact Flash Module

## RRT-PMC-CF-C

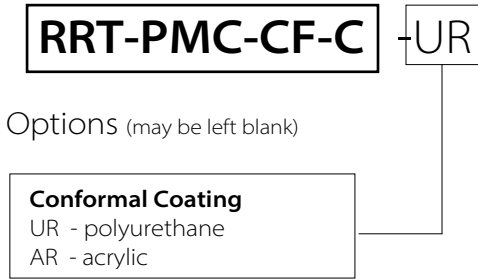


The Conduction Cooled PMC Compact Flash (CF) module is a PMC mezzanine storage module with a FPGA based PC/ATA/IDE controller that supports on fixed compact flash. Ruggedized for extreme temperature, shock and vibration environments. Provides boot drive and/or disk storage for conduction cooled VME,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

### FEATURES:

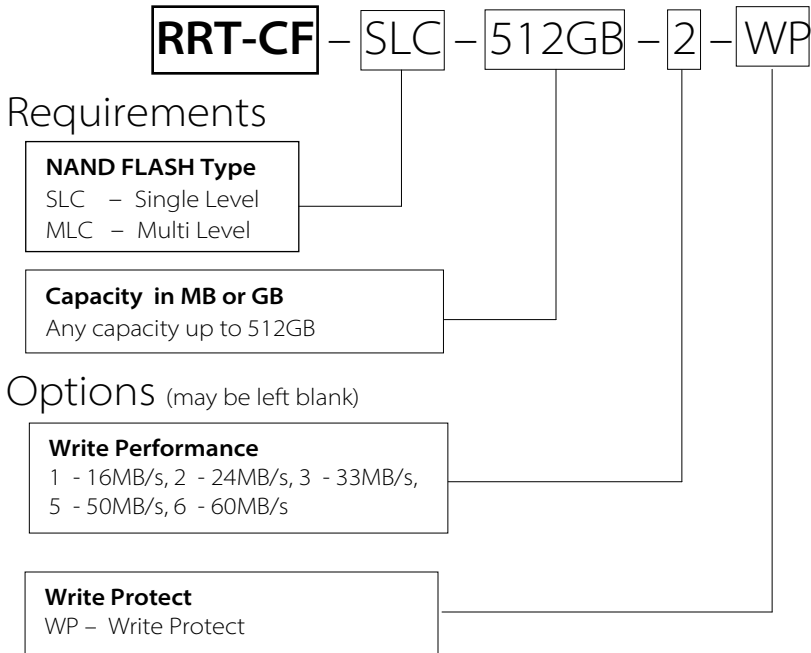
- PMC PCI 32-bit data at 33MHz/66MHz
- Conduction cooled for extreme temperature environments
- Robust design for high shock & vibration environments
- Uses COTS Compact Flash with current capacities up to 512GB
- Compatible with SBCs with a conduction cooled PMC slot
- Meets VITA 20
- 3.3V and 5.0V 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



Example: RRT-PMC-CF-C-UR  
Example: RRT-PMC-CF-C-AR

# Ordering Information – Compact Flash



Example: RRT-CF-MLC-512GB  
Example: RRT-CF-SLC-60GB-6  
Example: RRT-CF-MLC-128GB-2-WP



# Conduction Cooled PMC Compact Flash Module Specifications

<b>Performance</b>	
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/ATAPI-6 PIO Mode 4 transfer rates
Sector Size	512
<b>Reliability</b>	
MTBF – Drive Carrier (1)	1 million hours
<b>Power</b>	
Voltage	+5V +/- 0.5V; +3.3V +/- 0.3V
Watts-idle	1.2
Watts-active	3.5
<b>Environmental</b>	
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 <sup>2</sup> /Hz
<b>Physical</b>	
Weight	3.2 oz; 91 g max

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

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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](http://www.redrocktech.com) | [info@redrocktech.com](mailto:info@redrocktech.com)

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