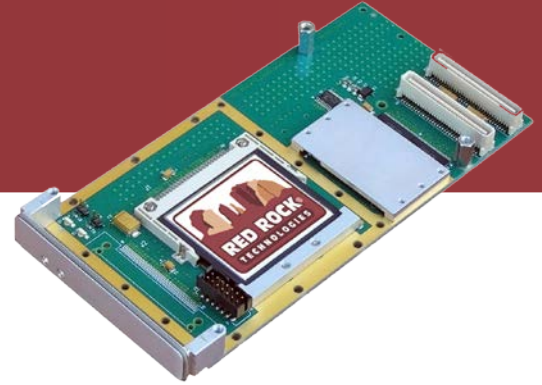


# Conduction Cooled PMC Compact Flash Module

## 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 INCLUDE

- 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 120GB
- 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
- ROHS compliant

# Ordering Information – Conduction Cooled PMC Compact Flash Module

**RRT-PMC-CF-C** - **UR** - **SLC** - **120GB**

Options May be Left Blank

**Conformal Coating**  
UR = polyurethane  
AR = acrylic

**NAND FLASH Type**  
SLC = Single Level Cell  
MLC = Multi Level Cell

**Capacity in GB**  
Up to 120GB

Example: RRT-PMC-CF-C  
Example: RRT-PMC-CF-C-UR-MLC-120GB

## Conduction Cooled PMC Compact Flash Module Specifications

Performance	
Capacities	Up to 120GB
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
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 <sup>2</sup> /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).	

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