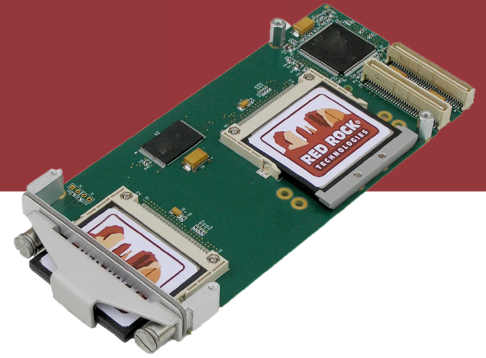


PMC Removable Compact Flash Module



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

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

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).

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