

3U cPCI Removable Compact Flash Module

RRT-CPCI-CF



The cPCI Removable Compact Flash (CF) module is a 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 3U cPCI systems. The CF connectors are rated for 10,000 mating cycles to support frequent insertions/removals.

FEATURES:

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



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Ordering Information - 3U cPCI Removable Compact Flash Module

RRT-CPCI-CF - R - UR

Options May be left blank

Port
 R - Removable CF
 F - Fixed CF
 B - 1 Removable/1 Fixed

Conformal Coating
 UR - Polyurethane
 AR - Acrylic

Example: RRT-CPCI-CF-R-UR
 Example: RRT-CPCI-CF-F-UR

Ordering Information - Compact Flash

RRT-CF - SLC - 512GB - 2 - X - WP

Requirements

NAND FLASH Type
 SLC - Single Level
 MLC - Multi Level

Capacity in MB or GB
 Up to 1TB (2 CF Drives x 512 MB)

Options (may be left blank)

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

Extended Temperature Range
 X - -40°C to 85°C

Write Protect
 WP - Write Protect

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



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3U cPCI Removable CF Module Specifications

Performance	
Interface	PCI revision 2.2, 32-bit data at 33MHz
Read/Write	133MB/S
Sector Size	512
Reliability	
MTBF-Drive (1)	3 million
CF Connector Mating cycles	10,000
Power	
Voltage	+5V +/- 5%, +3.3V +/- 5%
Watts-idle	1.2
Watts-active	2.5
Environmental	
Temperature operating	0° to 70°C
Temperature storage	-40° to 85°C
Relative Humidity	5% to 95%
Altitude	80,000 ft (24,000 meters)
Shock	40g
Vibration	0.1g ² /Hz
Physical	
Weight	6.48oz; 184g max
(1) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)	



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