

# 3U cPCI Removable Compact Flash Module

## RRT-CPCI-CF-R



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 INCLUDE

- 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 240GB per cPCI module (2 CF drives x 120GB)
- 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
- VxWorks®, Linux and Windows® drivers available
- Front panel activity LEDs
- ROHS compliant

# Ordering Information

**RRT-CPCI-CF-R** – **UR**

Options May be left blank

**Conformal Coating**

UR - Polyurethane  
AR - Acrylic

Example: RRT-CPCI-CF-R-UR

**RRT-CF** – **MLC** – **120GB**

Requirements

**NAND FLASH Type**

SLC - Single Level Cell  
MLC - Multi Level Cell

**Capacity**

Capacity in MB or GB (512MB, 1GB,  
4GB, 8GB, 15GB, 30GB, 60GB,  
120GB)

Example: RRT-CF-MLC-120GB

Example: RRT-CF-SLC-60GB

## 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 <sup>2</sup> /Hz
Physical	
Weight	6.48oz; 184g max
<small>(1) Telcordia SR-322, Issue 3, operating temp (40° C), electrical stress (50%), environmental factor (1.0)</small>	

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