# 3U cPCI Removable 1.8" SATA Drive Module

# RRT-CPCI-18S-R

The cPCI Removable 1.8" SATA drive module is a cPCI storage module that supports a removable 1.8" solid state drive (SSD).

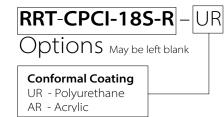Provides boot drive and/or disk storage for 3U cPCI systems.

Capacities currently up to 800GB.
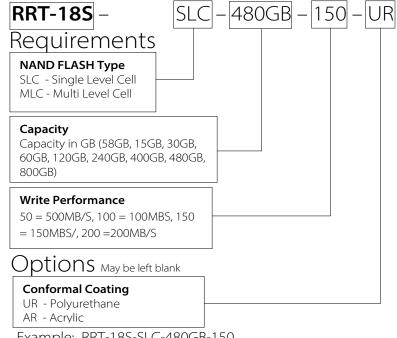
## FEATURES INCLUDE

- PCI 32 bit data at 33MHz per IEEE 1386-2001
- Transfer rates up to 133 MB/S
- Uses COTS 1.8" SATA drives for a wide range of capacity/speed options
- Capacities up to 800GB per cPCI module
- Removable 1.8" SATA drive secured by rugged retainer clip
- Robust design for high shock & vibration environments
- 3.3V and 5V PCI interface compliant
- VxWorks©, Linux and Windows© drivers available
- Front panel activity LEDs
- ROHS compliant

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# Ordering Information

**RRT**-**CPCI-18S-R** – | UR |

## Options May be left blank

**Conformal Coating**
UR - Polyurethane
AR - Acrylic

Example:  RRT-CPCI-18S-R-UR

**RRT-18S** – Requirements    | SLC | – | 480GB | – | 150 | – | UR |

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

**Capacity**
Capacity in GB (58GB, 15GB, 30GB, 60GB, 120GB, 240GB, 400GB, 480GB, 800GB)

**Write Performance**
50 = 500MB/S, 100 = 100MBS, 150 = 150MBS/, 200 =200MB/S

## Options May be left blank

**Conformal Coating**
UR - Polyurethane
AR - Acrylic

Example:  RRT-18S-SLC-480GB-150
Example:  RRT-18S-MLC-800GB-200-UR

# 3U cPCI Removable 1.8" SATA Drive 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 |
| **Power** | |
| Voltage | +5V +/- 5%, 3.3V +/- 5% |
| Watts-idle | 1.2 |
| Watts-active | 2.5 |
| **Environmental** | |
| Temperature operating | 0º to 70ºC |
| Temperature storage | -40º to 85ºC |
| Relative Humidity | 5% to 95% |
| Altitude | 80,000 ft  (24,000 meters) |
| Shock | 40g |
| Vibration | $0.1g^2$/Hz |
| **Physical** | |
| Weight | 6.45oz; 183g max |

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

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