

PMC Removable 1.8" SATA Drive Module



RRT-PMC-18S-R

The PMC Removable 1.8" SATA drive module is a PMC mezzanine storage module with a 32-bit PCI interface that supports a removable 1.8" solid state drive (SSD).

Provides boot drive and/or disk storage for VPX, VME, cPCI and ATCA single board computers (SBCs) with PMC Slot.

FEATURES INCLUDE

- PMC PCI 32-bit interface at 33MHz per IEEE 1386-2001
- Transfer rates up to 133 MB/s
- Uses COTS 1.8" SATA drives for wide range of capacity/speed options
- Capacities up to 1TB per PMC module
- Removable 1.8" SATA drive secured by rugged retainer clip
- Robust design for extreme temperature, shock & vibration environments
- Compatible with all SBCs with PMC slot
- Meets PMC IEEE 1386-2001 component height requirements
- 3.3V and 5V PCI interface compliant
- VxWorks™, Linux and Windows™ drivers available
- ROHS compliant

Ordering Information – Removable 1.8" SATA Drive Module

RRT-PMC-18S-R - **UR**

Options May be Left Blank

Conformal Coating

UR = polyurethane
AR = acrylic

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

Ordering Information – 1.8" Drive

RRT-18S - **SLC** - **480GB** - **UR**

Requirements

NAND FLASH Type

SLC = Single Level
MLC = Multi Level

Capacity

Any capacity up to 1TB

Options May be left blank

Conformal Coating

UR = polyurethane
AR = acrylic

Example: RRT-18S-SLC-60GB
Example: RRT-18S-MLC-1TB-UR

PMC Removable 1.8" SATA Drive Module Specifications

| Performance | |
|---------------------------|---|
| Capacities | Up to 1TB per PMC Module |
| Interface | PCI revision 2.2, 32-bit data at 33MHz |
| Read/Write | 133MB/s |
| Sector Size | 512 |
| Reliability | |
| MTBF – Drive Carrier (1) | 3 million hours |
| Power | |
| Voltage | +5V +/- 5% +3.3+/- 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 | 3.5 oz/100 g max |

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

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206 West Julie Drive - Suite 2, Tempe, AZ 85283 | United States of America

Tel: 480-483-3777 | Toll Free: 1-800-808-7837

www.redrocktech.com | info@redrocktech.com

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