

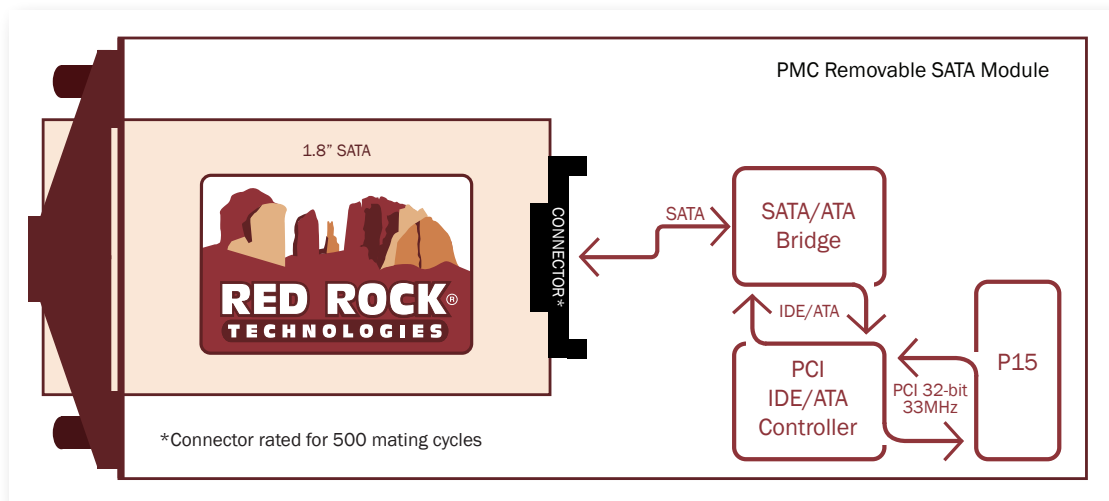
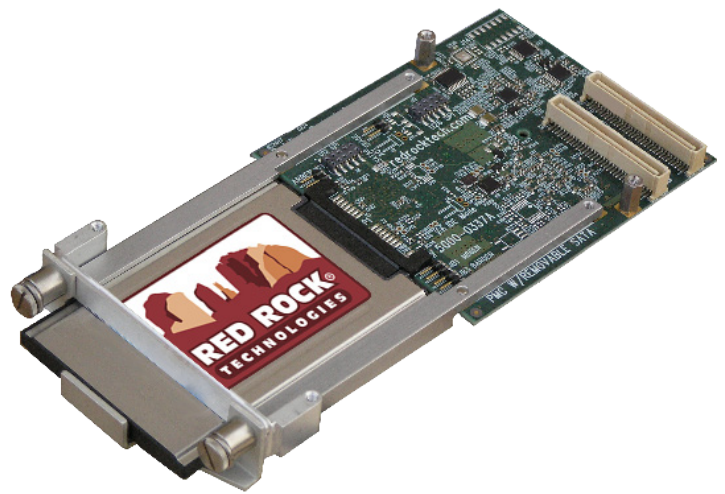


# RRT-PMC-18S-R PMC Removable 1.8" SATA SSD Module

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.

- PMC PCI 32-bit interface at 33MHz per IEEE 1386-2001
- Transfer rates up to 133 MB/s
- Wide range of COTS 1.8" SATA options
- Capacities up to 2TB
- Air cooled
- SSD secured by rugged retainer clip
- Compatible with all SBCs with a PMC slot
- Meets PMC IEEE 1386-2001 component height requirements
- 3.3V and 5V PCI interface compliant
- VxWorks, Linux, and Windows driver support



# Ordering Information

## PMC Removable 1.8" SATA SSD Module

RRT-PMC-18S-R-UR

Options May be left blank

Conformal Coating

UR	Polyurethane
AR	Acrylic

### ORDER EXAMPLES

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

## 1.8" SATA SSD

RRT-18S-SLC-8GB-X

### Requirements

NAND Flash Type

TLC	3D NAND
MLC	Multi Level Cell
SLC	Single Level Cell

Capacity

2TB	TLC
30GB - 1TB	MLC
8GB - 120GB	SLC

Options May be left blank

Extended Temperature Range

X	-40°C to 85°C
---	---------------

### ORDER EXAMPLES

RRT-18S-SLC-120GB  
RRT-18S-TLC-2TB  
RRT-18S-MLC-480GB-UR-X



# Product Specifications

## PMC REMOVABLE 1.8" SATA SSD MODULE

PERFORMANCE			
NAND FLASH TYPE	TLC	MLC	SLC
CAPACITIES	2TB	Up to 1TB	Up to 120GB
PMC INTERFACE	PCI revision 2.2, 32-bit data at 33MHz		
PMC INTERFACE SPEED	133MB/s		
SECTOR SIZE	512 bytes		
RELIABILITY			
MTBF - DRIVE CARRIER <sup>1</sup>	3 million hours		
POWER			
VOLTAGE	+5V +/- 5%; Voltage 3.3 +/- 0.3V		
WATTS (IDLE)	1.2 W		
WATTS (ACTIVE)	2.5 W		
ENVIRONMENTAL			
OPERATING TEMP.	0 °C to 70 °C, AC1		
STORAGE TEMP.	-40 °C to 85 °C		
ALTITUDE	80,000 ft. (24,000 meters)		
RELATIVE HUMIDITY	5% to 95% non-condensing		
SHOCK	40g, 11 millisecond terminal sawtooth pulse		
VIBRATION	0.1g <sup>2</sup> /Hz		
PHYSICAL			
FORM FACTOR	PMC		
WEIGHT	3.5 oz/100 g max		
NOTES			
(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).			



Red Rock Technologies, Inc. reserves the right to modify, change or discontinue specific products within its product line at its own discretion. Red Rock Technologies, Inc. does not assume any liability resulting from the application or use of its products. The information contained herein has been checked and is believed to be entirely accurate; however, no responsibility is assumed for inaccuracies. "Red Rock Technologies" and the mountain logo are registered trademarks of Red Rock Technologies, Inc.

© Copyright 2021 Red Rock Technologies, Inc.  
All rights reserved. (Rev. 20230113a)