

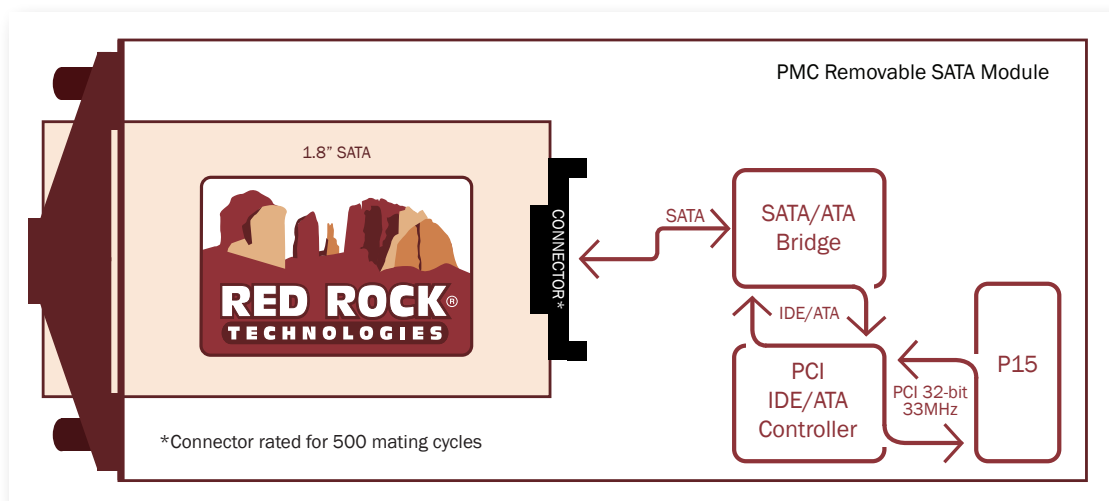
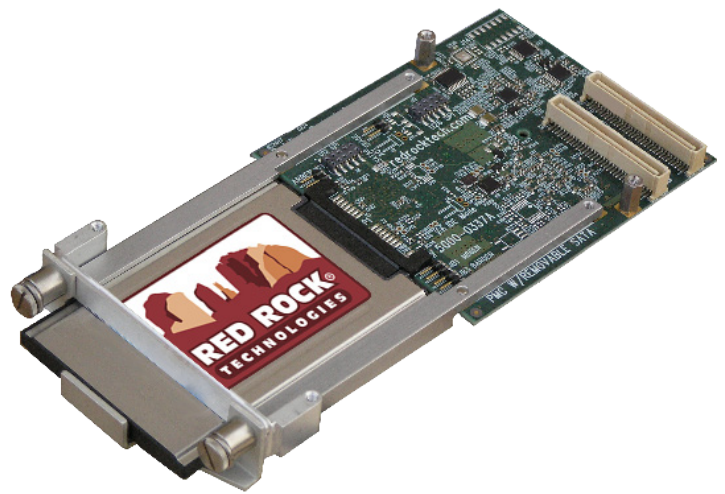


RRT-PMC-18S-R PMC Removable 1.8" SATA SSD Module

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



Parhelia B.V.
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☎ +31(0)10 741 00 28

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
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ORDER EXAMPLES

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



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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 ¹	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 ² /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).			



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