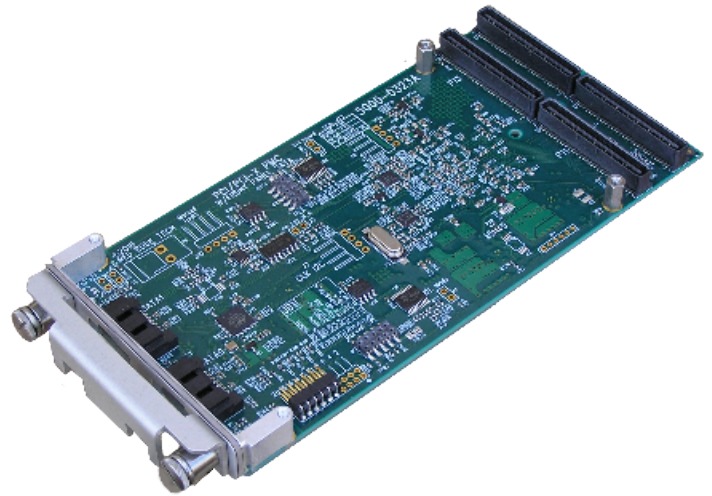




# RRT-PMC-SATA-CONTROLLER

## PMC SATA Controller

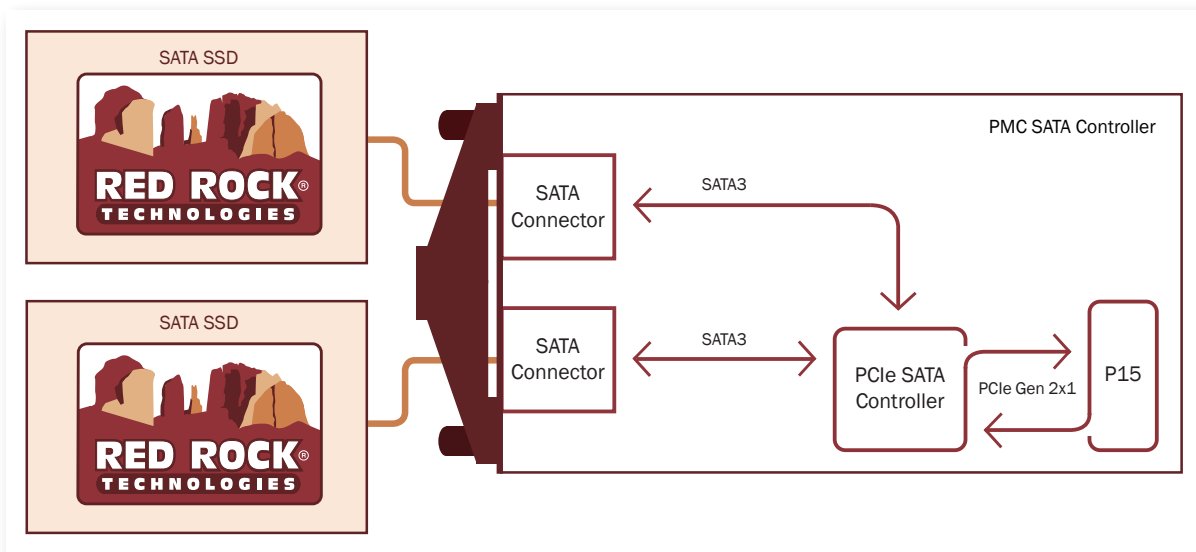
- PMC PCI/PCI-X 32 /64-bit interface per VITA39 and IEEE 1386-2001 (3.3v PCI interface)
- Transfer rates up to 500 MB/s
- High performance SATA3 transfer rates
- Backwards compatible with SATA1 and SATA2
- 2 Independent SATA interfaces
- Standard 7-pin SATA interface
- LED indication for Power, Reset, and Activity
- Compatible with all SBCs with an PMC slot
- SATA cable secured by rugged retainer clip
- -X version rated for -40°C to 85°C
- Robust design for extreme temperature, shock and vibration environments
- VXWorks, Linux, and Windows driver support
- ROHS compliant



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**THE PMC SATA CONTROLLER** is a PMC Mezzanine card with a dual-channel 64-bit PCI/PCI-X SATA 3 controller with 2 SATA connectors via front panel.

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



# Ordering Information

## PMC SATA Controller

RRT-PMC-SATA-CONTROLLER-

UR - X

**Options** May be left blank

### ORDER EXAMPLES

RRT-PMC-SATA-CONTROLLER  
RRT-PMC-SATA-CONTROLLER-UR-X

**Extended Temperature Range**  
X -40°C to 85°C

**Conformal Coating**  
UR Polyurethane  
AR Acrylic

## Product Specifications

PMC PERFORMANCE	
INTERFACE	PCI revision 3, PCI/PCI-X, 3V PCI signaling, 32/64-bit at 25-133 MHz
SPEED	Up to 500 MB/s
SATA PERFORMANCE	
INTERFACE	Supports SATA 1, 2 and 3 operation
SPEED	Up to 500 MB/s
RELIABILITY	
MTBF <sup>1</sup>	3 million hours
POWER	
VOLTAGE	+5V +/- 5%; Voltage 3.3 +/- 0.3V
WATTS (IDLE)	3 W
WATTS (ACTIVE)	4 W max
ENVIRONMENTAL	
OPERATING TEMP., VITA 47 CLASS	0 °C to 70 °C, AC1
EXTENDED OPERATING TEMP., VITA 47 CLASS <sup>2</sup>	-40 °C to 85 °C, CC4, AC3
STORAGE TEMP.	-55 °C to 95 °C
ALTITUDE	80,000 ft. (24,000 meters)
RELATIVE HUMIDITY	5% to 95% non-condensing
SHOCK, VITA 47 CLASS <sup>3</sup>	40g, 11 millisecond terminal sawtooth pulse
VIBRATION <sup>4</sup>	0.1g <sup>2</sup> /Hz
PHYSICAL	
FORM FACTOR	PMC
WEIGHT	12 oz. max (340g)
NOTES	
(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).	



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