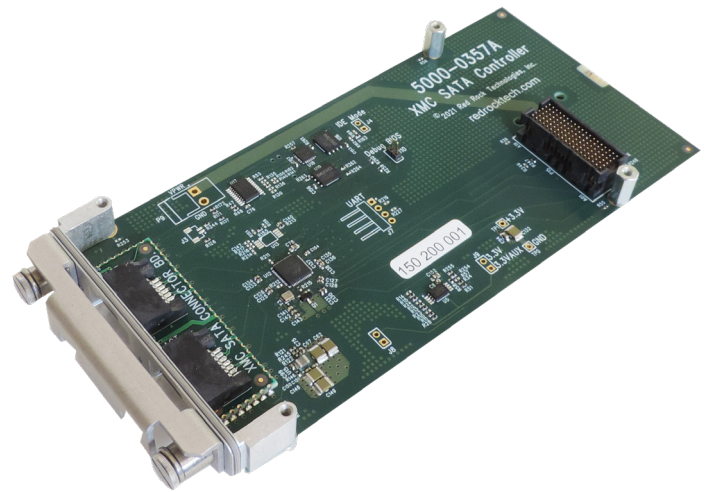




# RRT-XMC-SATA-CONTROLLER

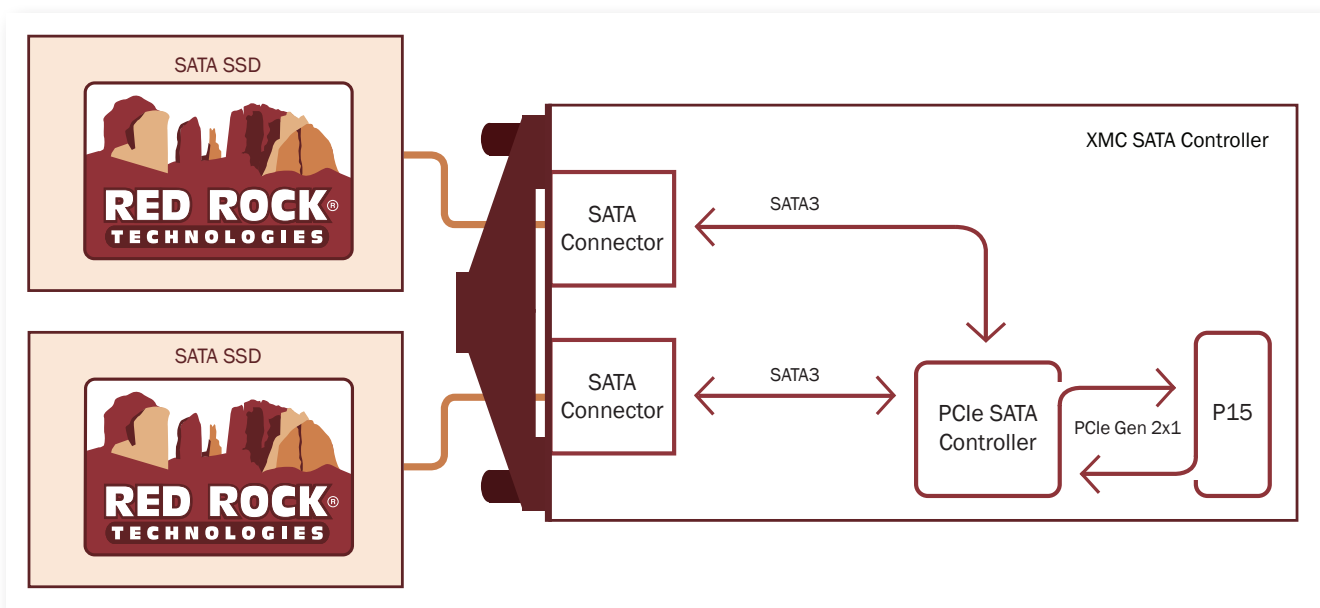
## XMC SATA Controller

- XMC PCIe Gen 2x2 interface per VITA 42.3
- 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 XMC slot
- SATA cable secured by rugged retainer clip
- ROHS compliant
- -X version rated for -40°C to 85°C
- Robust design for extreme temperature, shock and vibration environments
- VxWorks, Linux, and Windows drivers support



**THE XMC SATA CONTROLLER** is an XMC Mezzanine card with a dual-channel PCIe Gen 2x2 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 XMC slot.



# Ordering Information

## XMC SATA Controller

RRT-XMC-SATA-CONTROLLER-UR - X

### ORDER EXAMPLES

RRT-XMC-SATA-CONTROLLER  
RRT-XMC-SATA-CONTROLLER-UR-X

### Options May be left blank

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

**Conformal Coating**  
UR Polyurethane  
AR Acrylic

## Product Specifications

XMC PERFORMANCE	
INTERFACE	VITA 42.3/PCIe 2.0x1 Compliant
SPEED (PCIe GEN1/GEN2)	2.5/5 GBits/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	VPWR +5V +/- 5% or +12V +/- 5%, +3.3+/- 0.3V
WATTS (IDLE)	1 W
WATTS (ACTIVE)	1.5 W
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, 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	XMC
WEIGHT	3.5 oz. (100g max)
NOTES	
(1) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0).	



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