RED ROCK®
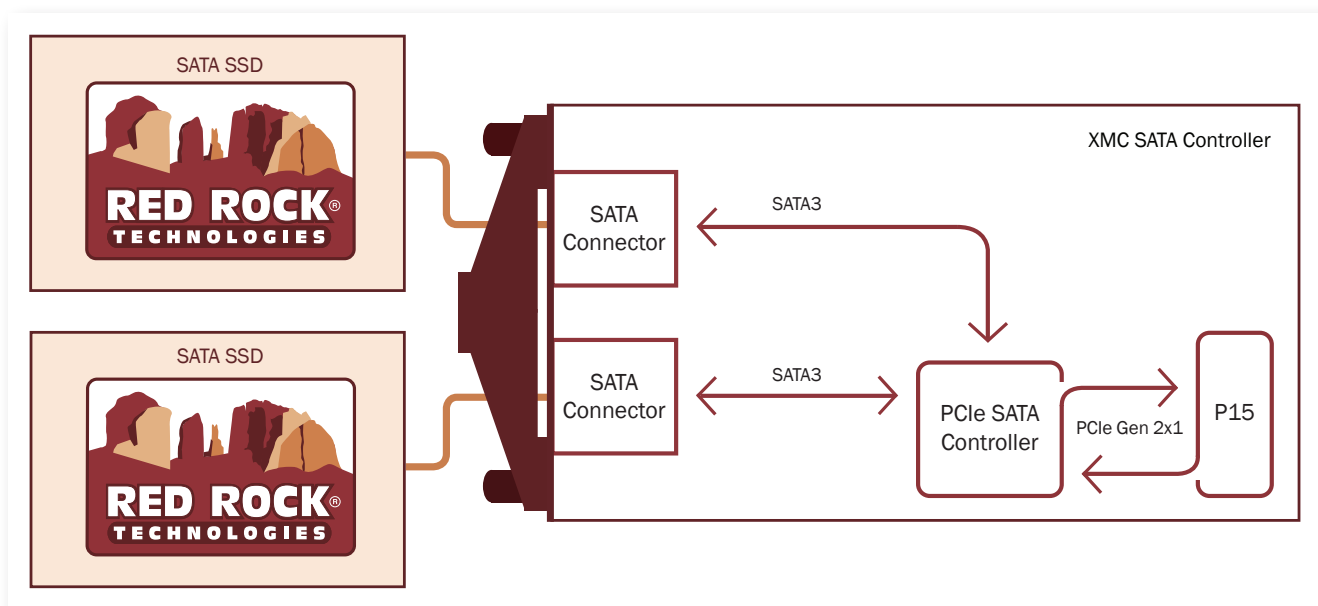TECHNOLOGIES

- 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 -40ºC to 85ºC
- Robust design for extreme temperature, shock and vibration environments
- VxWorks, Linux, and Windows drivers support
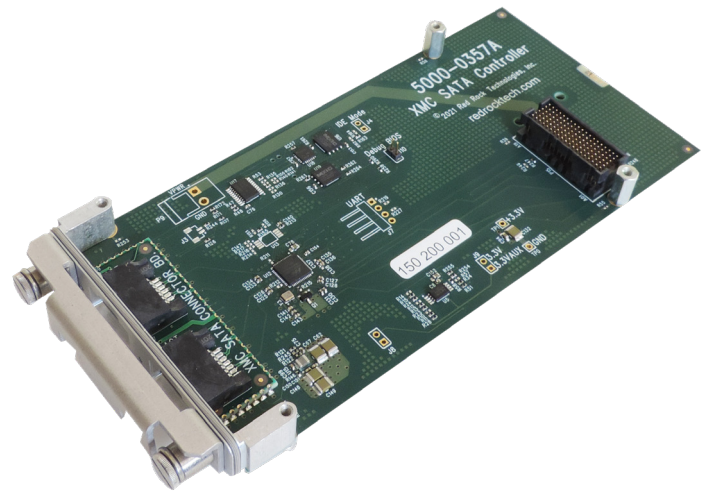
PARHELIA

Parhelia B.V.
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☏+31(0)10 741 00 28

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.

📍 206 W Julie Drive, Ste. 2
Tempe, AZ 85283
📞 (480)-483-3777
🌐 www.redrocktech.com
✉ contactus@redrocktech.com

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   -40ºC to 85ºC

Conformal Coating
UR   Polyurethane
AR   Acrylic

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[1]	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[2]	-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[3]	40g, 11 millisecond terminal sawtooth pulse
VIBRATION[4]	$0.1g^2$/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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