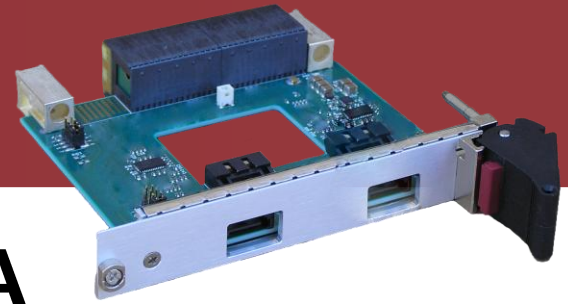


3U VPX RTM SATA Adapter



RRT-3UVPX-RTM-SATA

The 3U VPX Rear Transition Module (RTM) SATA adapter provides SATA interface to Red Rock VPX products that can be connected either internally or externally to VPX chassis. VPX single board computer (SBC) connects SATA cable from SBC backplane adapter to Red Rock VPX RTM.

FEATURES INCLUDE

- VPX form factor
- Compatible with OpenVPX system architecture
- SATA interface to VPX backplane
- VITA 46, 47, 48, 65 compliant
- VS1, VS2 and VS3 utility signals
- Robust design for extreme temperature, shock and vibration environments
- High performance SATA2 (SATA300) transfer rates. Compatible with SATA1
- Compatible with all CPU's with a SATA controller
- Current limited
- No additional software required
- Power supplied from VPX backplane

3U VPX RTM MODULE SPECIFICATIONS

Performance	
Interface (1)	SATA2 (SATA300)
Reliability	
MTBF-Drive Module (2)	3 million hours
Power	
Voltage	5 V+/- 5%, +3.3V +/- 5%
Watts-Idle	1
Watts-active	1.5
Environmental	
Temperature – operating (3), VITA 47 Class	-40 to 85C, CC4, AC3 for –X option 0 to 70C, CC1, AC1 for Standard SSD
Temperature – storage	-40 to 85C
Relative Humidity	5% to 95%
Altitude	80,000 ft. 24,000 meters
Shock (4), VITA 47 Class	40g, 100 to 1000 Hz, 0S2
Vibration (5), VITA 47 Class	0.1 g ² /Hz,V3, 11 millisecond terminal sawtooth, V3
Physical	
Form Factor	3U VPX
Weight	10 oz. max
Pitch	0.8", 0.85" and 1.0" options

(1) Interface connected via compatible slot profile SLT3-STO-2U-14.5x or rear transition module
(2) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0)
(3) Thermal qualification per MIL-STD-810, Method 501, Procedure II, and MIL-STD-810, Method 502, Procedure II
(4) Shock qualification per MIL-STD-810F, Method 516, Procedure I
(5) Vibration qualification per MIL-STD-810F, Method 514, Procedure 1

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