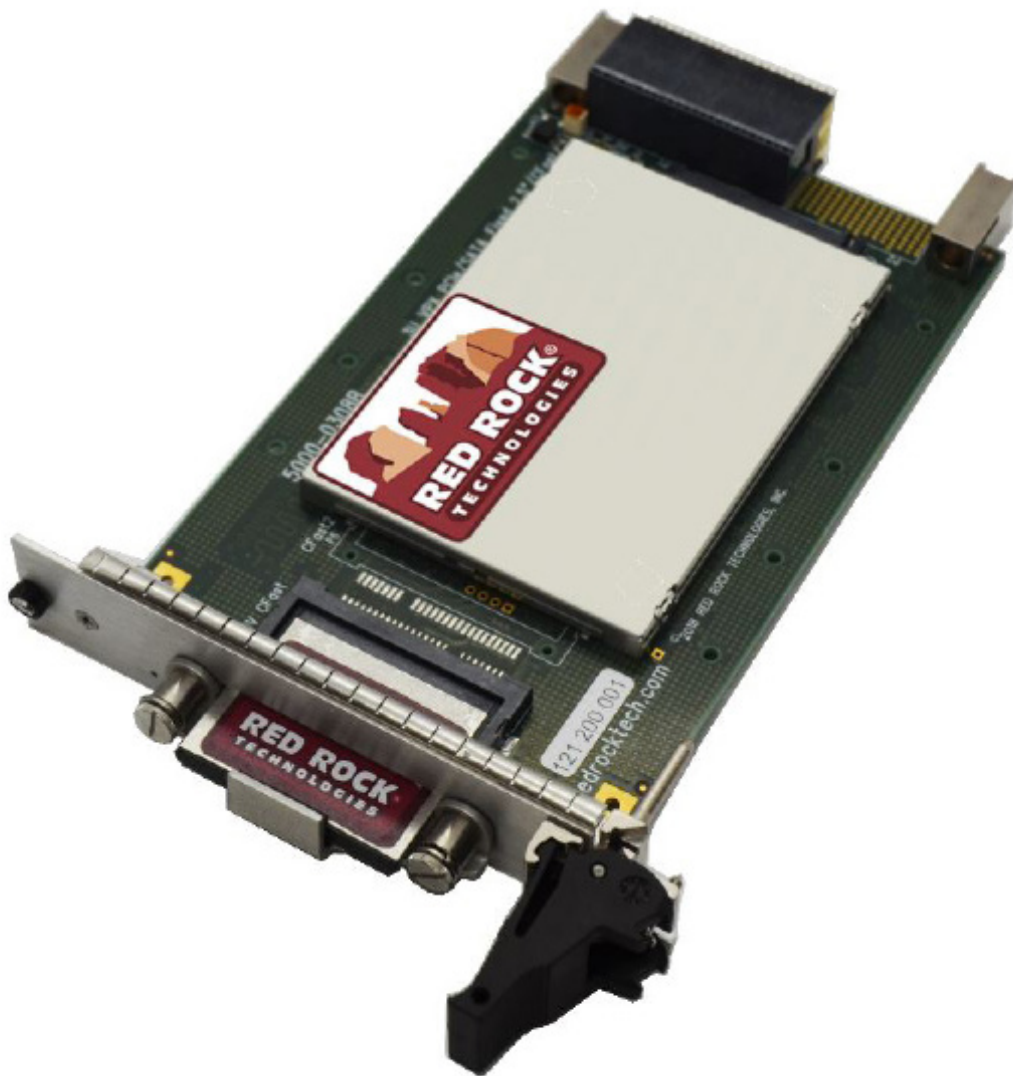


RRT-3UVPX-SATA-A

3U VPX Air Cooled SSD Module with SATA Interface

The 3U VPX Air Cooled SSD module with SATA interface to VPX backplane adds SSD to a VPX system using one 3U VPX slot with COTS 2.5" SATA Solid State Drives (SSDs) providing a wide range of capacity, speed, environmental and security options.

Optional removable CFast port on front panel with CFast secured by a rugged retainer clip. CFast is the same form factor as Compact Flash but has a SATA interface for faster speeds.



FEATURES

- Capacities up to 16TB
- 600MB/S transfer rates
- SATA3 (SATA600) interface to VPX backplane
- Open VPX Ultra Thin Pipe MOD3-STO-1U-16.5.1-X
- VITA 46, 47, 48, 65
- Boot and/or storage disk
- Air cooled
- Compatible with SATA 1,2
- COTS 2.5" SATA SSDs
- Military erase options
- FIPS197, TCG Opal options
- Rugged design
- No additional software required
- Option for removable CFast port
- VPX Rear Transition module available for SATA interface

3U VPX Air Cooled SSD Module with SATA InterfaceRRT-3UVPX-SATA-A-------

REQUIREMENTS	
PITCH	
080	0.80" PITCH
085	0.85" PITCH
100	1.00" PITCH
NAND FLASH TYPE	
MLC	MULTI LEVEL CELL
SLC	SINGLE LEVEL CELL
TLC	TRI LEVEL CELL (3D)
CAPACITY	
CAPACITIES UP TO 16TB	

OPTIONS (MAY BE LEFT BLANK)	
CONFORMAL COATING	
UR	POLYURETHANE
AR	ACRYLIC
EXTENDED TEMP. RANGE	
X	-40C TO 85C
SECURITY	
FE	FAST ERASE
SE1	NSA/CSS MANUAL 9-12 ERASE
SE2	RCC-TG IRIG 106-07 CHAPTER 10 ERASE
OPAL	FIPS197 COMPLIANT TCG OPAL
CFAST FRONT PANEL PORT	
RCFAST	REMOVABLE CFAST

EXAMPLES

RRT-3UVPX-SATA-A-080-MLC-8TB-UR-X-SE1

RRT-3UVPX-SATA-A-085-SLC-120GB

RRT-3UVPX-SATA-A-100-TLC-16TB

3U VPX Air Cooled SSD Module with SATA Interface

PERFORMANCE			
NAND FLASH TYPE	TLC	MLC	SLC
CAPACITIES ¹	UP TO 16TB	UP TO 8TB	UP TO 480GB
INTERFACE ²	SATA3	SATA3	SATA3
THROUGHPUT - SUSTAINED	450 MB/S	400 MB/S	400 MB/S
RELIABILITY			
MTBF-DRIVE	1 MILLION HOURS	1 MILLION HOURS	2 MILLION HOURS
MTBF-VPX BOARD ⁶	3 MILLION HOURS		
DATA RETENTION	1 YEAR	1 YEAR	10 YEARS
ENDURANCE (100GB) TOTAL BYTES WRITTEN	70 TBW	70 TBW	350 TBW
CFAST CONNECTOR MATING CYCLES	10,000		
POWER			
VOLTAGE	+5V +/- 5%, +3.3V +/- 5%		
WATTS (IDLE)	1.2 W	1.2 W	1.2 W
WATTS (ACTIVE)	2.5 W	2.5 W	2.5 W
ENVIRONMENTAL			
OPERATING TEMP., VITA 47 CLASS ³	0 to 60C, AC1	0 to 60C, AC1 -40 to 85C, AC3 for -X option	
STORAGE TEMP.	-40°C to 85°C	-40°C to 85°C	
ALTITUDE	80,000 FT (24,000 METERS)		
RELATIVE HUMIDITY	5% TO 95%		
SHOCK, VITA 47 CLASS ⁴	40 g 11 MILLISECOND HALF-SINE, OS2		
VIBRATION, VITA 47 CLASS ⁵	0.1 g ² /HZ 100 HZ TO 1000 HZ, V3		
PHYSICAL			
FORM FACTOR	3U VPX		
WEIGHT	10 OZ MAX		
PITCH	0.8", 0.85", and 1.0" options		
NOTES			
<p>(1) Larger capacities available as new COTS 2.5" drives released (2) Interface connected via compatible slot profile SLT3-STO-2U-14.5x or rear transition module (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 (6) Telcordia SR-322, Issue 3, operating temp (40C), electrical stress (50%), environmental factor (1.0)</p>			

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