

VRT756A

Rear I/O for VPX756, VPX RTM



VRT756A

Key Features

- 3U RTM per VITA 46
- Designed specifically for the VadaTech VPX756
- mSATA and a 1000Base-TX

Benefits

- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

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VRT756A

The VRT756A is a 3U VPX Rear Transition Module providing I/O expansion for use with the VPX756.

The module has a mSATA Socket that can be populated with an off the shelf SSD. The unit also routes the SERDES based GbE to 1000Base-TX (GbE over copper).



Figure 1: VRT756A

Block Diagram

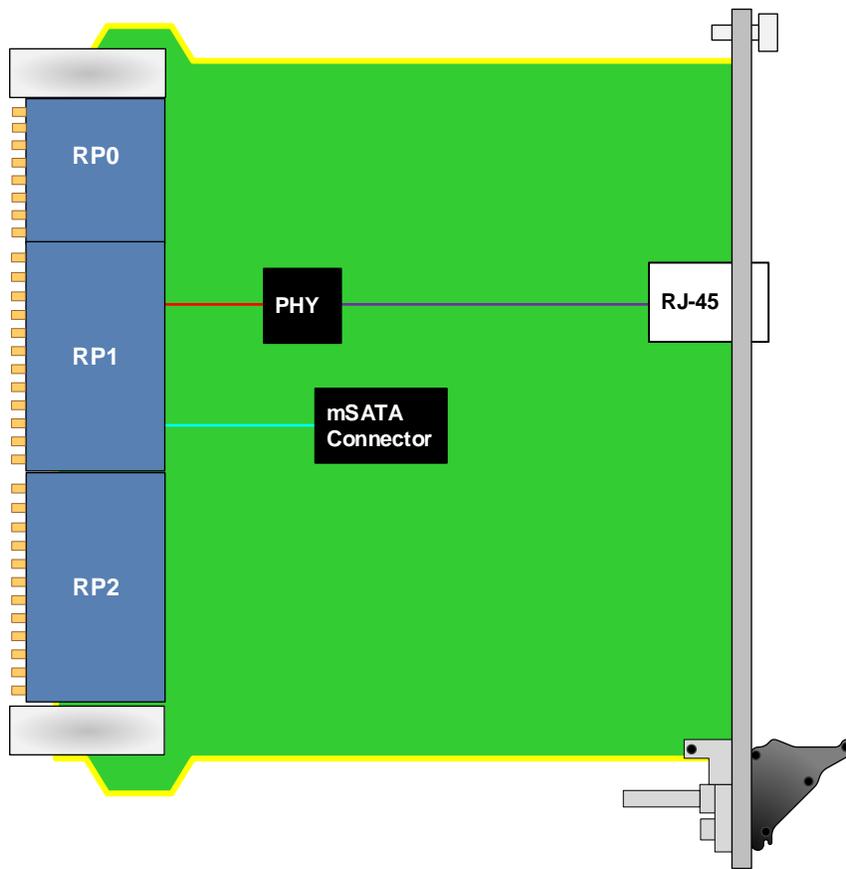


Figure 2: VRT756A Functional Block Diagram

Specifications

Architecture		
Physical	Dimensions	3U RTM, 1" pitch
Configuration		
Power	VRT756A	3W
Rear Panel	Connectors	RJ-45 front panel and mSATA on board
VPX Interfaces	Slot Profiles	See Ordering Options
	Backplane	RP1: mSATA and SERDES
	Power	+3.3V/+5V
Other		
MTBF	MIL Hand book 217-F@ TBD hrs	
Certifications	Designed to meet FCC, CE and UL certifications, where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Warranty	Two (2) years, see VadaTech Terms and Conditions	

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Ordering Options

VRT756A – A00-000-GHJ

A = mSATA size		G = Applicable Slot Profiles
0 = No mSATA 1 = 1 TB 2 = 2 TB 3 = Reserved 4 = Reserved		0 = 5 HP
		H = Environmental
		See Environmental Specification
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Environmental Specification

Option H	Air Cooled			Conduction Cooled	
	H = 0	H = 1	H = 2	H = 3	H = 4
Operating Temperature	AC1* (0°C to +55°C)	AC3* (-40°C to +70°C)	CC1* (0°C to +55°C)	CC3* (-40°C to +70°C)	CC4* (-40°C to +85°C)
Storage Temperature	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)	C3* (-50°C to +100°C)
Operating Vibration	V2* (0.04 g2/Hz max)	V2* (0.04 g2/Hz max)	V3* (0.1 g2/Hz max)	V3* (0.1 g2/Hz max)	V3 (0.1 g2/Hz max)
Storage Vibration	OS1* (20g)	OS1* (20g)	OS2* (40g)	OS2* (40g)	OS2* (40g)
Humidity	95% non-condensing	95% non-condensing	95% non-condensing	95% non-condensing	95% non-condensing

Notes: *Nomenclature per ANSI/VITA 47. Contact local sales office for conduction cooled (H = 2, 3, 4)

Related Products

VPX756



- Processor VPX (PrVPX) Intel® Xeon® Processor E3-1505M v6 (Kaby Lake)
- PCIe Gen3 x4 or dual PCIe x8
- Serial Over LAN (SOL)

VPX599



- Xilinx Kintex UltraScale™ XCKU115 FPGA
- Dual ADC 12-bit @ 6.4 GSPS
- Dual DAC 16-bit @ 12 GSPS (AD9162 or AD9164)

VTX870



- Open VPX benchtop development platform
- Dedicated Switch/management slot
- Up to five 3U VPX payload slots

Contact

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DOC NO. 4FM737-12 REV 01 | VERSION 1.2 – SEP/19