VRT776A

RTM for VPX776, 6U VPX

VRT776A

Key Features

- 6U Rear Transition Module (RTM) VITA 46
- Quad GbE 1000BASE-T
- RS-232 from CPU, Health Management and BMC
- 2x M.2 Socket
- USB 2.0
- Loop back on the 40G-KR

Benefits

- Integrated Systems
- Full System supply from industry leader
- AS9100 and ISO9001 certified company

OpenVPX™

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VRT776A

The VRT776A is a 6U VPX Rear Transition Module (RTM) for use with the VPX776 module. The RTM has and 2x M.2 socket, quad 1000BASE-T, USB 2.0, RS-232 from the CPU/Health Management and BMC. It provides a loop back on the 40GbE KR for test and validation.

Figure 1: VRT776A

Figure 2: VRT776A Top View
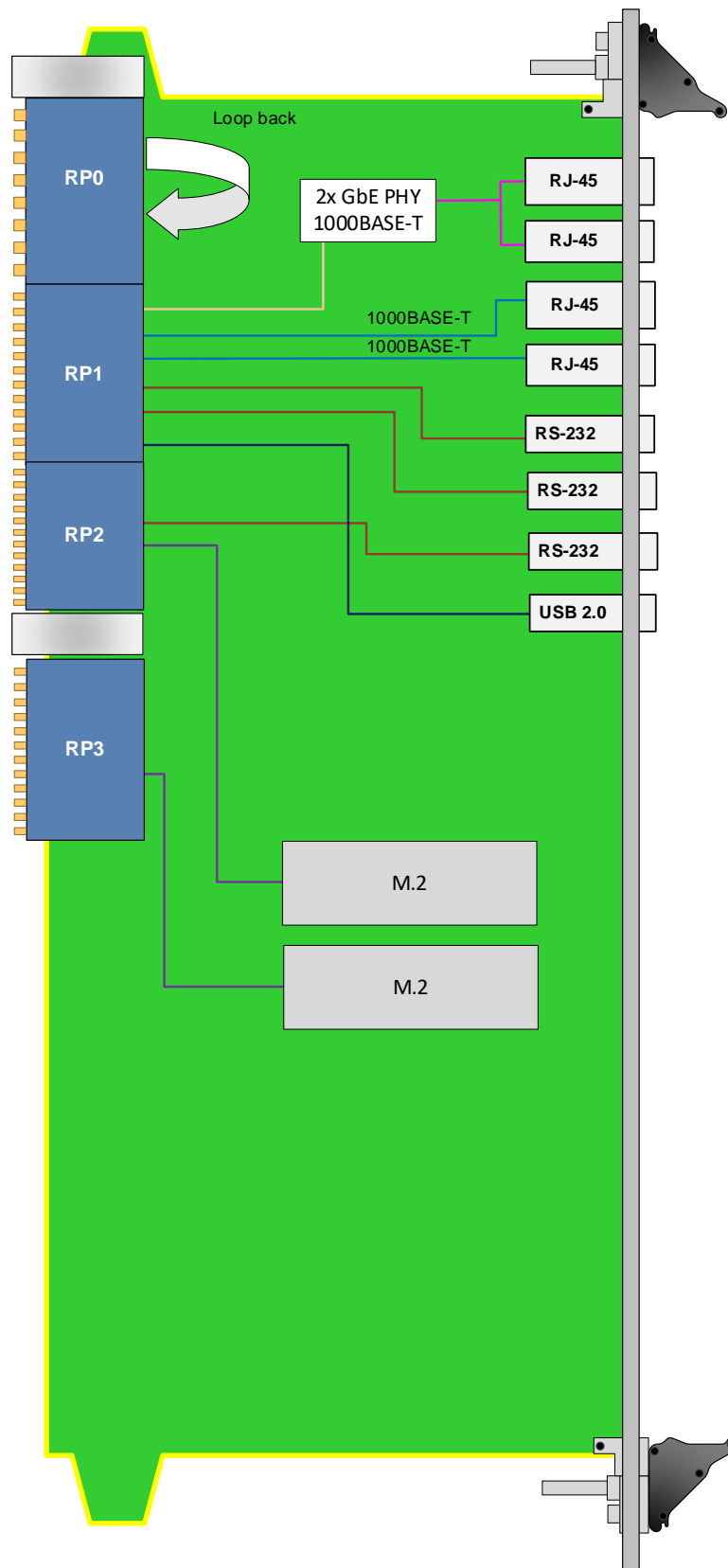
Figure 3: VRT776A Front Panel View

Block Diagram

Figure 4: VRT776A Functional Block Diagram

VRT776A – Rear Transition Module for VPX776

Specifications

Architecture			
Physical	**Dimensions**	6U, 1" pitch	
		VPX RTM	
Configuration			
Power	**VRT776A**	8W (with M.2)	
Memory		None	
Rear Panel		4x 1000BASE-T, 3x RS-232 and USB2.0	
VPX Interfaces	**Slot Profiles**	See Ordering Options	
Rear IO		4x RJ-45, 3x Micro USB and USB Type A	
	Power Supplies	On RP0: 12V	
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 ISO9001:2015 and AS9100D 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

VRT776A – AB0-000-GHJ

A = M.2*		G = Applicable Slot Profiles
0 = None 1 = 1TB 2 = 2TB		0 = 5 HP
B = Loop back on P1 Ports		**H = Environmental**
0 = No Loop back 1 = Loop back 1-4 to 5-8		See Environmental Specification
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic 3 = Parylene

Notes:
*Both M.2 are loaded with the same size

Environmental Specification

	Air Cooled		Conduction Cooled		
Option H	**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

VPX516

- 3U FPGA carrier for FPGA Mezzanine Card (FMC) per VITA 46 and VITA 57
- Xilinx Virtex-7 690T FPGA in FFG-1761 package
- High-performance clock jitter cleaner

VPX517

- 3U FPGA carrier for FMC per VITA 46 and VITA 57
- Xilinx Kintex-7 410T FPGA in FFG-900 package
- High-performance clock jitter cleaner

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