

VRT577A

Rear I/O for VPX577, VPX RTM



VRT577A

Key Features

- 6U RTM per VITA 46
- Designed specifically for the VadaTech VPX577
- Six QSFP28
- 100GbE/40G/10G per QSFP28
- User I/O via high density connector

Benefits

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

OpenVPX™



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VRT577A

The VRT577A is a 6U VPX Rear Transition Module providing 100G/40G/10G expansion for use with the VPX577. The module has six QSFP28 ports. The module also routed I/O from the VPX577 to a high-density connector.



Figure 1: VRT577A



Figure 2: VRT577A Front View

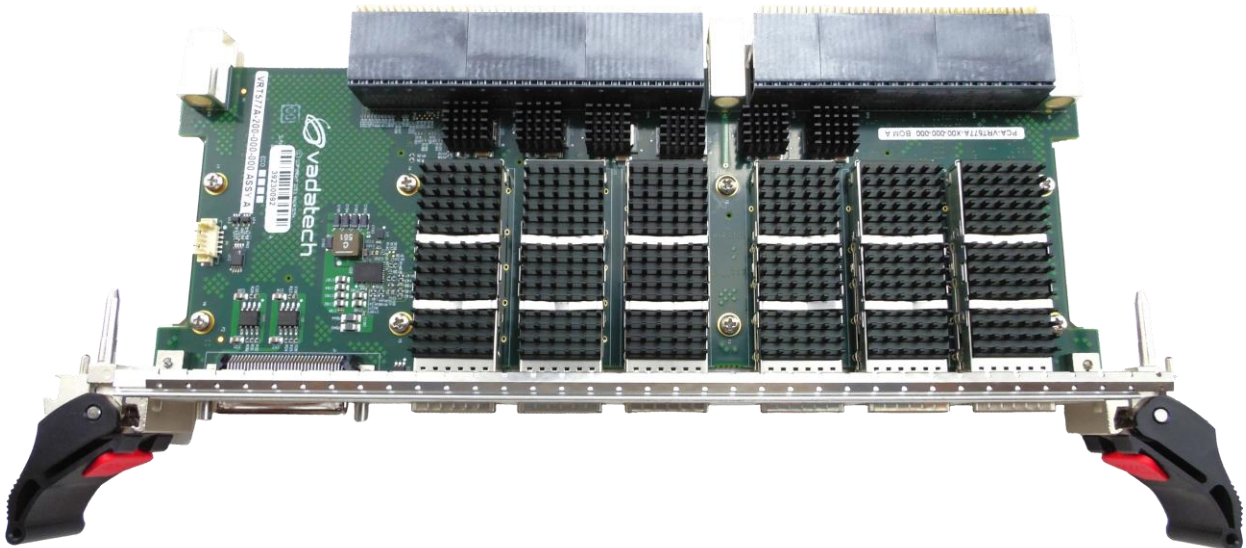


Figure 3: VRT577A Top View

Block Diagram

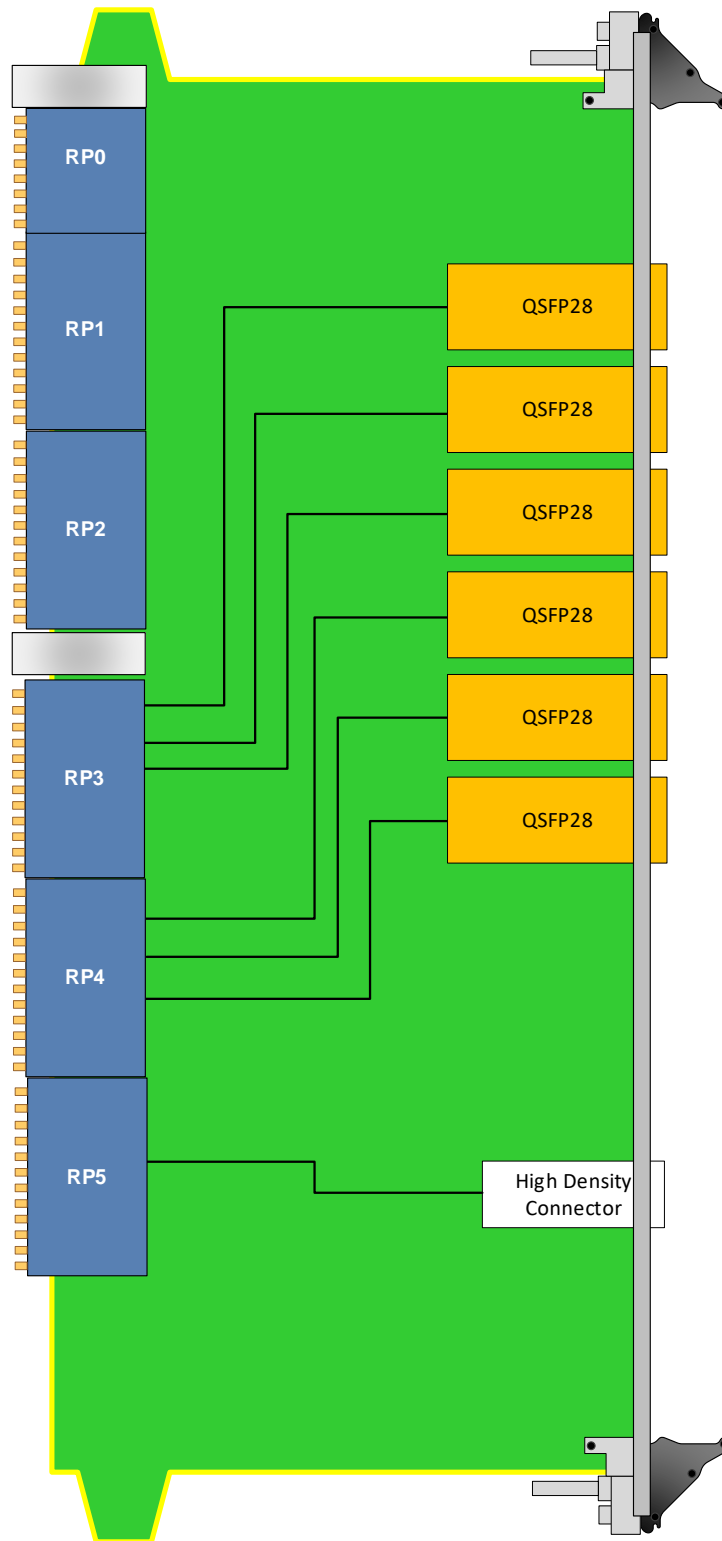


Figure 4: VRT577A Functional Block Diagram

Specifications

Architecture		
Physical	Dimensions	6U RTM, 1" pitch
Configuration		
Power	VRT577A	15W
Rear Panel	Connectors	Six QSFP28+
VPX Interfaces	Slot Profiles	See Ordering Options
	Backplane	RP0 thru RP5
	Power	+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 ISO9001:2000 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

VRT577A – 000-00-0HJ

A = QSFP+ Transceivers*		
0 = None 1 = 40 Gb (SR) 2 = 100 Gb (SR) 3 = 40 Gb WDM (SR) 4 = 100 G WDM (SR) 5 = 40 Gb (LR) 6 = 100 G (LR) 7 = Reserved 8 = Reserved		
		H = Environmental See Environmental Specification
		J = Conformal Coating 0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

*All six Transceivers will be the same for other options contact VadaTech Sales

Environmental Specification

Air Cooled

Option H	H = 0	H = 1
Operating Temperature	AC1* (0°C to +55°C)	AC3* (-40°C to +70°C)
Storage Temperature	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)
Operating Vibration	V2* (0.04 g2/Hz max)	V2* (0.04 g2/Hz max)
Storage Vibration	OS1* (20g)	OS1* (20g)
Humidity	95% non-condensing	95% non-condensing

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)

VTX990



- One slot benchtop 6U VPX development platform
- P0 to P6 connectors are installed
- Removable panels for ease of access for probing

VTX881



- 2U Open VPX rackmount system platform
- Dedicated Switch/management slot
- Optional JTAG Switch Module (JSM)

Contact

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