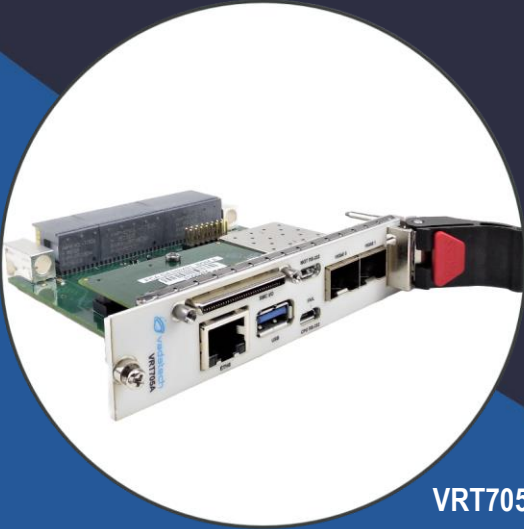


# VRT705A

Rear I/O for VPX705, VPX RTM



VRT705A

## Key Features

- 3U RTM per VITA 46
- Dual SFP+
- RS-232, USB 3.0 and GbE to VPX705 Layerscape
- Mini SCSI routing I/O to VPX705 XMC

## 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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# VRT705A

The VRT705A is a 3U VPX Rear Transition Module providing I/O expansion for use with the VPX705.

The VRT705A provides an easy access to the I/O ports routed to the P1 and P2 connectors of the VPX705. These includes dual SFP+, USB, RS-232 for both management and payload, GbE as well as I/O connector to the XMC site of the VPX705.



Figure 1: VRT705A

# Block Diagram

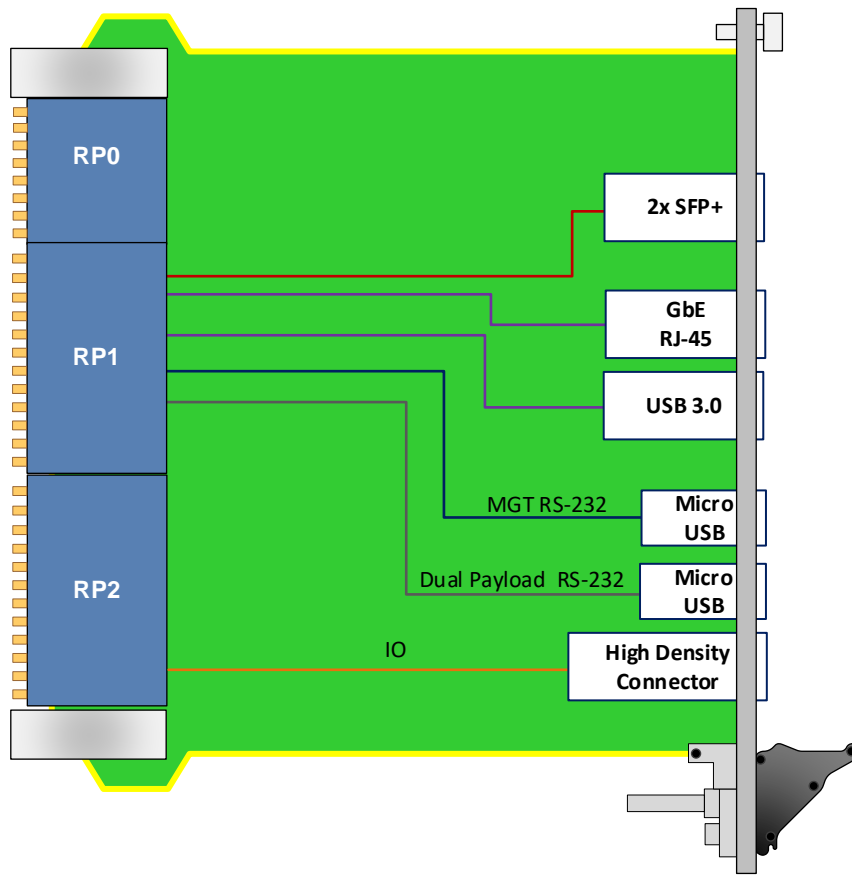


Figure 2: VRT705A Functional Block Diagram

# Front Panel View



Figure 2: VRT705A Front Panel View

# Specifications

Architecture		
<b>Physical</b>	<b>Dimensions</b>	3U RTM, 1" pitch
Configuration		
<b>Power</b>		2W
<b>Rear Panel</b>	<b>Connectors</b>	RS-232 via Micro-USB, Dual SFP+, USB GbE via RJ-45 XMC I/O via miniSCSI
<b>VPX Interfaces</b>	<b>Slot Profiles</b>	See <a href="#">Ordering Options</a>
	<b>Backplane</b>	RP0: Power RP1: Dual SFP+, GbE, RS-232, USB, IO RP2: I/O
	<b>Power Supplies</b>	RP0: VS1/VS2/VS3 = +12V/+5V/+3.3V
Other		
<b>MTBF</b>		MIL Hand book 217-F@ TBD hrs
<b>Certifications</b>		Designed to meet FCC, CE and UL certifications, where applicable
<b>Standards</b>		VadaTech is certified to both the ISO9001:2015 and AS9100D standards
<b>Warranty</b>		Two (2) years, see <a href="#">VadaTech Terms and Conditions</a>

## 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

## VRT705A – A00-000-GHJ

<b>A = SFP+ Transceiver</b>		<b>G = Applicable Slot Profiles</b>
0 = None 1 = SR 2 = LR		0 = 5 HP, VITA 48.1
		<b>H = Environmental</b>
		See <a href="#">Environmental Specification</a>
		<b>J = Conformal Coating</b>
		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
<b>Operating Temperature</b>	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)
<b>Storage Temperature</b>	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)
<b>Operating Vibration</b>	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)
<b>Storage Vibration</b>	OS1* (20g)	OS1* (20g)	OS2* (40g)	OS2* (40g)	OS2* (40g)
<b>Humidity</b>	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

VPX705



- Processor VPX with Layerscape LX2160A (16-core)
- PCIe/40G/10G/1G
- Protocols such as PCIe, SRIO, 10GbE/40Gbe, etc. are FPGA programmable

VPX754



- 3U VPX module Intel 5th Generation Xeon D-1577, D-1548 or D-1520 (Broadwell) System-on-Chip (SoC)
- PCIe Gen3 dual x4 or single x8
- XMC module with PCIe Gen3 x4

VTX870



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

# Contact

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- Open systems expertise

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- Mutual success

## We deliver complexity

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- System management
- Configurable solutions

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- Accelerated deployment
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