

VTX955

1U Open VPX Rackmount Chassis, Two 3U Payload Slots with RTM Support



VTX955

Key Features

- 1U Open VPX Rackmount platform
- Two 3U VPX payload slots
- Compatible with 0.8-inch, 0.85-inch and 1.0-inch modules
- Support for Rear Transition Modules (RTMs)
- Removable Fan Tray
- Shelf Manager for health management
- Redundant cooling in push/pull side-to-side airflow configuration

Benefits

- 500 W Universal AC Power Input
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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The VTX955 is a 1U Open VPX chassis with two 3U VPX payload slots. The chassis can accept 0.8-inch, 0.85-inch and 1.0-inch pitch modules. The chassis is ideal for commercial deployment. The Chassis comes with VadaTech third generation shelf manager to provide health management.

Power Supplies

The VTX955 has an AC input power supply to provide 500 W. The chassis supplies 85 W/slot and the AC input is universal.

Cooling and Temperature Sensors

The VTX955 provides left to right cooling to the VPX slots designed to meet ANSI/VITA 65 providing 18 CFM per slot at 0.24 in-H₂O @ 5000 feet. The VTX955 provides push/pull cooling to the RTM slots.

Backplane

The backplane provides two 3U VPX payload slots in a star configuration, fully compliant to VITA 46.0 baseline specification with additional support to the RTMs, compliant to VITA 46.10 and OpenVPX VITA 65.



Figure 1: VTX955 Front View



Figure 2: VTX955 Rear View

Backplane Configuration

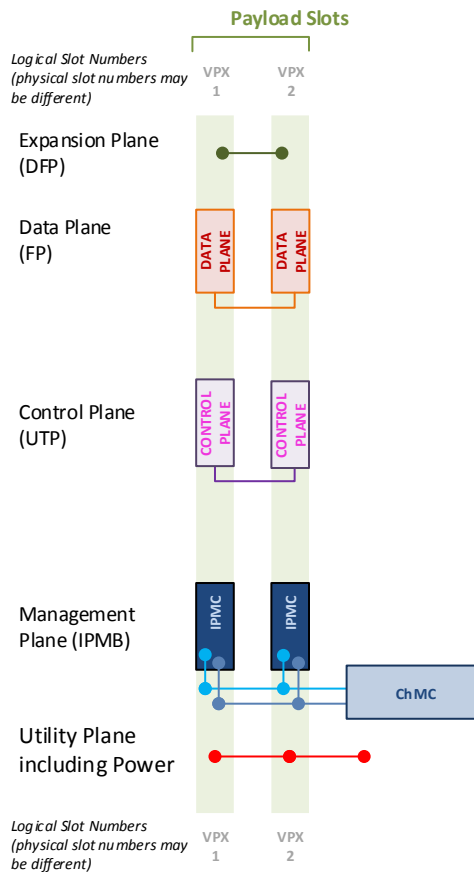


Figure 3: VTX955 Backplane Connections

The initial offering on VTX955 is based on backplane profile BKP3-DIS02_15.2.2-n. VadaTech can also design additional VITA standard backplane profiles for customer specific applications. Please contact your local sales team for more information.

Chassis Layout



Figure 4: VTX955 Chassis Layout - Front



Figure 5: VTX955 Chassis Layout - Rear

Specifications

Architecture	
Physical	Dimensions Height: 1U Width: 19" Depth: 12" Weight: TBD
Type	VPX Shelf 2 Payload Slot up to 1.0" pitch
Standards	
VPX	Type VITA 46.0 Baseline Specification
Configuration	
Power	VTX955 500 W Universal AC input
Environmental	See ordering options
Cooling	Right to left
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

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

VTX955 – 000-000-0HJ

		H = Environmental
		See Environmental Specification Table below
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 polyurethane 2 = Humiseal 1B31 acrylic

Environmental Specification*

Option H	H = 0	
Operating Temperature	-5°C to +55°C	
Storage Temperature	-40°C to +85°C	
Operating Vibration	0.04 g2/Hz max	
Storage Vibration	20 g	
Humidity	95% non-condensing	

Notes: *Please contact VadaTech Sales for other specification

Related Products

VPX518



- AMC FPGA carrier for FMC per VITA 57
- Xilinx Zynq-7000 FPGA in FFG-900 package(XC7Z100 or XC7Z045) with embedded ARM®
- Supported by DAQ Series™ data

VPX592



- 3U FPGA carrier for FPGA Mezzanine Card (FMC) per VITA 46 and VITA 57
- Xilinx Kintex UltraScale™ XCKU115 FPGA
- High-performance clock jitter cleaner

VPX599



- 3U FPGA Dual DAC and dual ADC per VITA 46
- Xilinx Kintex UltraScale™ XCKU115 FPGA
- Dual ADC @ 6.4 GSPS 12-bits

Contact

VadaTech Corporate Office

198 N. Gibson Road, Henderson, NV 89014

Phone: +1 702 896-3337 | Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhui Street, Neihu District, Taipei 114, Taiwan

Phone: +886-2-2627-7655 | Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road, Southampton, SO40 9LR

Phone: +44 2380 016403

info@vadatech.com | www.vadatech.com

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