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)
- Redundant cooling in push/pull side-to-side airflow configuration

Benefits

- 500W 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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VTX955

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.

Power Supplies

The VTX955 has an AC input power supply to provide 500W. The chassis supplies 85W/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 VITA65.

Figure 1: Front View

Figure 2: Rear View
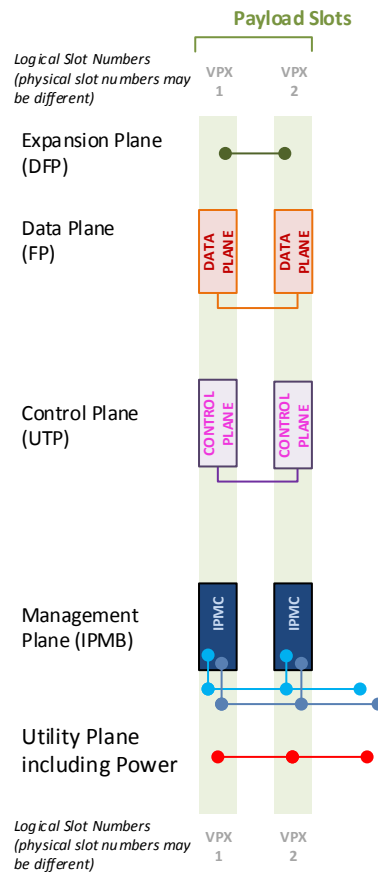
Backplane Configuration

Figure 3: 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: Chassis Layout - Front

Figure 5: Chassis Layout - Rear

VTX955 – 1U Open VPX Rackmount Chassis with Two 3U Payload Slots

Specifications

Architecture		
Physical	**Dimensions**	Height: 1U
		Width: 19"
		Depth: 12"
		Weight: TBD lbs.
Type	**VPX Shelf**	2 Payload Slots up to 1.0" pitch
Standards		
VPX	**Type**	VITA-46.0 Baseline Specification
Configuration		
Power		500W 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 VPX products including chassis platforms, shelf managers, VPX modules, Switch and Payload Boards, 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 option H description
		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	20g	
Humidity	95% non-condensing	

* 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 @ 6.4GSPS 12-bits

Contact

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