VTX879

½ ATR Short VPX Chassis with Five 3U Slots and ARINC 600 style I/O Connector

VTX879

Key Features

- ½ ATR Short VPX style system platform
- Up to five 3U VPX payload slots
- Conduction cooled modules per VITA 48
- Power via 3U power Module
- ARINC 600 style for I/O

Benefits

- Standard VPX Power Module slot
- 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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VTX879

The VTX879 is a ½ ATR VPX Chassis with five 3U VPX slots. The I/O is via ARINC 600 style and can be designed to customer specification.

Power Supply

The VTX879 has a single slot 3U VPX Power Module.

Cooling

The module has fins on the two sidewalls to radiate the heat out.

Backplane

The backplane can provide up to five 3U VPX payload slots in addition to the single slot for the Power Module. The backplane is routed to customer specifications.

Figure 1: VTX879 Front View

Figure 2: VTX879 Rear View

Chassis Layout

Figure 5: VTX879 Chassis Layout - Rear

| Power Slot | VPX 1 | VPX 2 | VPX 3 | VPX 4 | VPX 5 |

Front ← | Power Slot | VPX 1 | VPX 2 | VPX 3 | VPX 4 | VPX 5 | → Rear
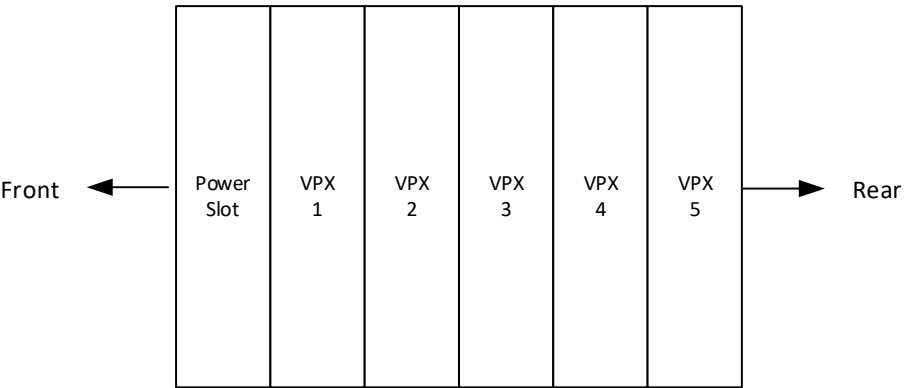
Figure 9: VTX879 Chassis Slots

VTX879 – ½ ATR Short VPX Chassis with Five 3U Slots and ARINC 600 style I/O Connector   info@vadatech.com | www.vadatech.com

Specifications

Architecture			
Physical	**Dimensions**	Height:	
		Width:	
		Depth:	
		Weight: TBD	
Type	**VPX Shelf**	5 Payload Slots up to 1.0" pitch and one Power Slot	
Standards			
VPX	**Type**	VITA 46.0 Baseline Specification	
Configuration			
Power	**VTX879**	Standard 3U VPX Power	
Environmental		See Ordering Options	
Cooling		Front to Back	
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	One (1) year, see VadaTech Terms and Conditions		

OpenVPX allows for a wide range of pin assignments and use cases. Prior to purchasing VadaTech products as standalone items (i.e., not part of an integrated platform) please consult with VadaTech on the system architecture to ensure compatibility.

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

VTX879 – ABC-000-GHJ

A = Customer Backplane profile*		G = Applicable Slot Profile
1 = Per figure 3 2 = Reserved 3 = Reserved		0 = 5HP, IEEE 1101.10 1 = 5HP, VITA 48.1

B = ARINC 600 Style*		H = Environmental
1 = MMB-R3TL0N1NN-133 2 = Reserved 3 = Reserved		See Environmental Specification

C = VPX Connector Type		J = Conformal Coating
0 = Standard 50u Gold Rugged 1 = KVPX Connectors		0 = No coating 1 = Humiseal 1A33 polyurethane 2 = Humiseal 1B31 acrylic

Notes: *Please contact VadaTech for specific part numbers

Environmental Specification

					Conduction Cooled
Option H					**H = 4**
Operating Temperature					CC4* (-40°C to +85°C)
Storage Temperature					C3* (-50°C to +100°C)
Operating Vibration					V3 (0.1 g2/Hz max)
Storage Vibration					OS2* (40g)
Humidity					95% non-condensing

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 12-bit @ 6.4 GSPS

Contact

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