

# VTX660

8U VPX Chassis, Six 3U  
Slots with RTM Support



VTX660

## Key Features

- 8U Open VPX rackmount system platform
- Dedicated Switch/management slot
- Up to five 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 front-to-back airflow configuration
- Optional JTAG Switch Module (JSM)

## Benefits

- Dual 800W AC or DC 650W Power Supply
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

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# VTX660

The VTX660 is an 8U VPX chassis with six 3U VPX 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 VTX660 has dual AC input power supplies to provide 800W with redundancy (1+1) or DC -48V input 650W. The chassis supplies 95W/slot and the AC input is universal.

## Cooling and Temperature Sensors

The VTX660 provides cooling to the VPX slots designed to meet ANSI/VITA 65 providing 18 CFM per slot at 0.24 in-H<sub>2</sub>O @ 5000 feet. The VTX660 provides push/pull cooling to the RTM slots.

## Backplane

The backplane provides five 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.

## JSM

There is an optional JTAG Switch Module to provide JTAG access to the front.



Figure 1: Front View



Figure 2: Rear View

# Backplane Connections

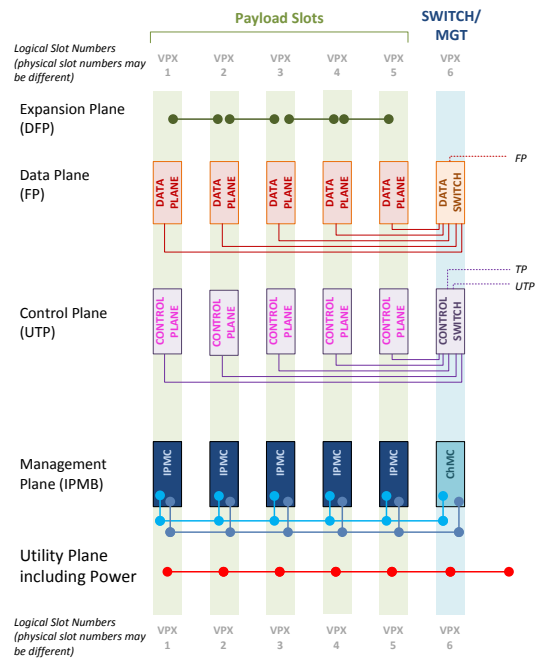


Figure 3: VTX660 Backplane Connections

The initial offering on VTX660 is based on backplane profile BKP3-CEN06\_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

# Specifications

<b>Architecture</b>		
<b>Physical</b>	<b>Dimensions</b>	Height: 8U Width: 8.5" Depth: 12.5" Weight: TBD lbs.
<b>Type</b>	<b>VPX Shelf</b>	5 Payload Slots up to 1.0" pitch and a dedicated Switch/management slot
<b>Standards</b>		
<b>VPX</b>	<b>Type</b>	VITA-46.0 Baseline Specification
<b>Configuration</b>		
<b>Power</b>		800W AC universal input, dual power supply with redundancy (or -48V DC 650W)
<b>Environmental</b>		See Ordering Options
<b>Cooling</b>		Front to Back
<b>Other</b>		
<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 ISO9001:2000 and AS9100B:2004 standards
<b>Warranty</b>		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

## VTX660 – A00-D00-0HJ

<b>A = Power Supply</b>	<b>D = JSM</b>	
0 = Single AC (800W) 1 = Dual AC (1+1, 1600) 2 = Single DC -48V (650W) 3 = Dual DC -48V (1+1, 1300W)	0 = Not included 1 = Included	
		<b>H = Environmental</b>
		See Environmental Specification table option H description
		<b>J = Conformal Coating</b>
		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

## 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

[info@vadatech.com](mailto:info@vadatech.com) | [www.vadatech.com](http://www.vadatech.com)

## Europe: EMCOMO Solutions AG

Industriestr. 10, 89231 Neu-Ulm, Germany  
Phone: +49 731 8803510 | Fax: +49 731 88035129

[vadatech@emcomo.de](mailto:vadatech@emcomo.de) | [www.emcomo.de](http://www.emcomo.de)

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