

# VT751

Single slot motherboard to  
accommodate a x16 PCIe Edge  
Card Module Gen4

VT751

## Key Features

- Accepts a single x16 PCIe style module Gen4
- Interface to the Host via dual x8 OCuLink
- +12V input power

## Benefits

- Turnkey solution and all integration done at VadaTech
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company



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**OpenVPX™**



# VT751

The VT751 is a single-slot motherboard that takes a x16 PCIe style module with dual x8 OCuLink connectors.

## Power Input

The VT751 takes +12V input power.

## Chassis Mechanical

The VT751 can put into any machinal enclosure based on customer requirement. Please contact VadaTech Sales for the Chassis configuration.

*Figure 1: VT751 View*

## Connectivity

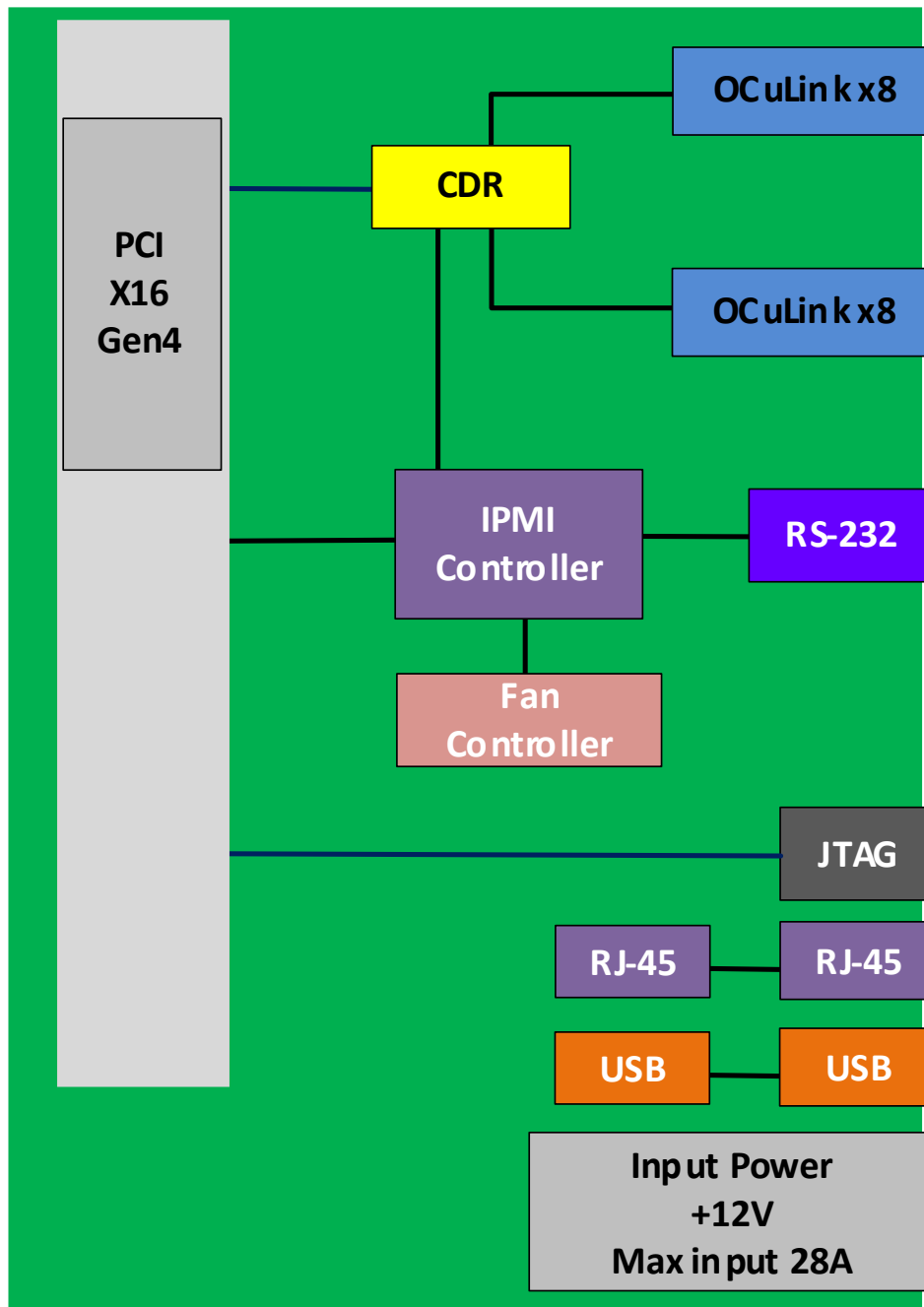


Figure 3: VT751 Module

# Specifications

Architecture		
Physical	Dimensions	Height: 3U (with enclosure)
		Width:
		Depth:
		Weight: TBD
Type	PCIe Edge style	X16 PCIe full length
Standards		
PCIe Sig	PCIe	PCIe Sig specification Gen4
Configuration		
Power	VT751	+12V
Environmental		See <a href="#">Ordering Options</a>
Cooling		Chassis dependent
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 <a href="#">VadaTech Terms and Conditions</a>	

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

## VT751 – A00-000-0HJ

<b>A = Encloser*</b>		
0 = None 1 = Reserved 2 = Reserved 3 = Reserved		
		<b>H = Environmental</b>
		0 = Commercial 1 = Industrial
		<b>J = Conformal Coating</b>
		0 = No coating 1 = Humiseal 1A33 polyurethane 2 = Humiseal 1B31 acrylic 3 = Parylene

\*Customer should contact VadaTech Sales for encloser

## Related Products

PCI596



- PCIe x16 FPGA carrier for FMC+ per VITA 57.4
- Xilinx UltraScale+™ VU13P FPGA
- Allows expansion of a daughter card on top of the FMC for more I/O
- Active cooling for FPGA, FMC+ and the daughter card module

PCI597



- Dual PCIe x16 FPGA
- 72 fiber transceivers egress ports
- Optical speed choice of 10G or 28G per link
- Xilinx UltraScale+™ VU13P FPGA

PCI592



- PCIe FPGA carrier for FMC+ per VITA 57
- Xilinx Kintex UltraScale™ XCKU115 FPGA
- Active cooling for FPGA and FMC+
- Dual x8 lanes for direct connection to neighbouring FPGA card(s)

# Contact

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## We are technology leaders

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- Constant innovation
- Open systems expertise

## We commit to our customers

- Partnerships power innovation
- Collaborative approach
- Mutual success

## We deliver complexity

- Complete signal chain
- System management
- Configurable solutions

## We manufacture in-house

- Agile production
- Accelerated deployment
- AS9100 accredited



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