VTX353

3U VPX Backplane with 12 slots

VTX353

Key Features

- 3U VPX backplane with 12 slots
- VITA 65.0 and VIA46.0
- Utilizing the high speed VPX rugged connectors 25G

Benefits

- Rugged construction suitable for field deployment in harsh environments
- Ideal for Phased Array Radars, Signal Processing, CCD/CMOS Imaging Sensors and FPGA SERDES applications
- 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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VTX353

The backplane provides twelve 3U VPX payload slots, fully compliant to VITA 46.0 baseline specification and VITA 65 with the Rear Transition Module (RTM) support.

The chassis can accept 0.8-inch, 0.85-inch and 1.0-inch pitch modules. The backplane utilized the high speed rugged VPX connector that can do speed of over 25G.

Power Supplies

The backplane can be powered by the ATX or other external power supply.

Chassis

The VTX353 is meant for integration in custom conduction or non-conduction cool chassis. Contact VadaTech Sales for available integrated solutions.

Figure 1: VTX353 Front View

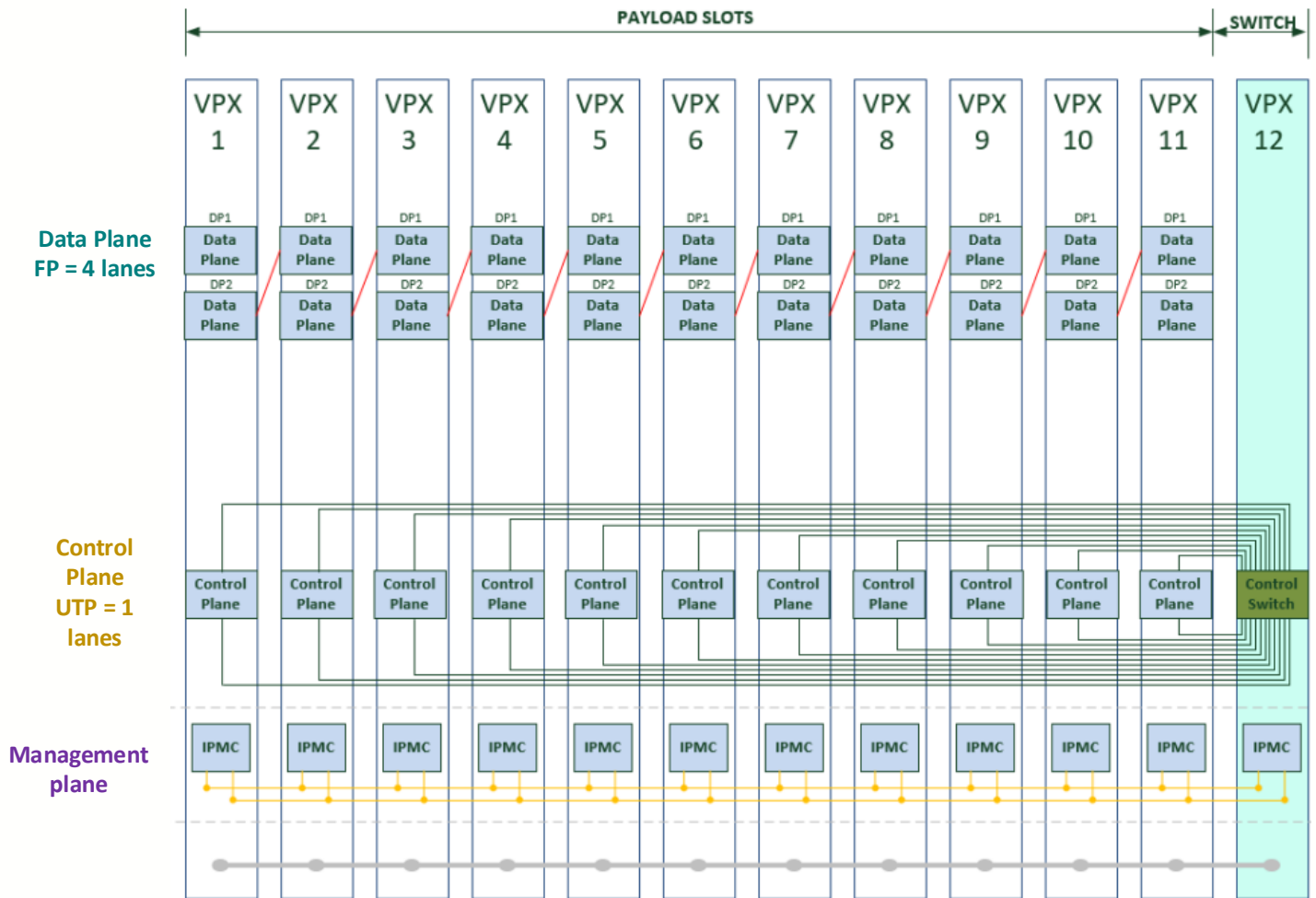*Figure 2: VTX353 Rear View*

Backplane Topology

Figure 4: VTX353 Backplane Connections

Please contact your local sales team for more information.

Specifications

Architecture		
Physical	**Dimensions**	3U OpenVPX
		L 12.52" (318.32); W 5.07" (128.7)
Type	**VPX 3U**	12 Payload slots
Standards		
VPX	**Type**	VITA 46.0 Baseline Specification and Open VPX VITA 65.0
Configuration		
Power	**VTX353**	Dependent on the chassis configuration
Environmental		See Ordering Options
Other		
MTBF	TBD MIL Hand book 217-F. Based on Order Option. Contact VadaTech sales for details.	
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	

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

VTX353 – AB0-000-0HJ

A = VPX REF/CLK and AUX/CLK termination		
0 = Customer specific 1 = Per VITA specification 2 = Customer specific 3 = Customer specific		
B = Chassis Mechanical*		**H = Environmental**
0 = None (backplane only) 1 = Reserved 2 = Reserved 3 = Reserved		See Environmental Specification
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 polyurethane 2 = Humiseal 1B31 acrylic 3 = Paralyne

Notes: *Please contact VadaTech Sales for Chassis

Environmental Specification

Option H	H = 4
Operating Temperature	-55°C to +95°C
Storage Temperature	-55°C to +100°C
Operational Endurance Vibration	V3* (0.1 g2/Hz max)
Humidity	95% non-condensing

Related Products

VPX552

- Intel Broadwell-D integrated with Xilinx Kintex UltraScale™ XCKU115 FPGA
- Intel® 5th Generation Xeon System-on-Chip (SoC)
- CPU 32 GB of DDR4 with ECC and FPGA 16 GB of DDR4

VTX350

- 6U VPX Chassis, 19" Rack Mountable per EIA-310D
- Rugged Chassis with High Density Fiber Optic I/O
- Fiber Optical Backplane per VITA 66.4 or 66.5

VPX980

- 6U VPX Chassis Manager Module compliant to VITA 46.11 w/Quad Core ARM Freescale processor
- One GB DDR3 memory with FRAM for log messages
- 32 GB of Flash, 8 GB of NAND Flash

Contact

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