XMC125

XMC PCIe Gen4 x8 Extender via OCuLink

XMC125

Key Features

- Single width XMC per VITA 42
- PCIe Gen4 x8 Extender via OCuLink

Benefits

- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

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XMC125

The XMC125 extends the PCIe Gen4 x8 from the XMC to an external device.

The module is available in both air cooled and conduction cooled versions.

Figure 1: XMC125

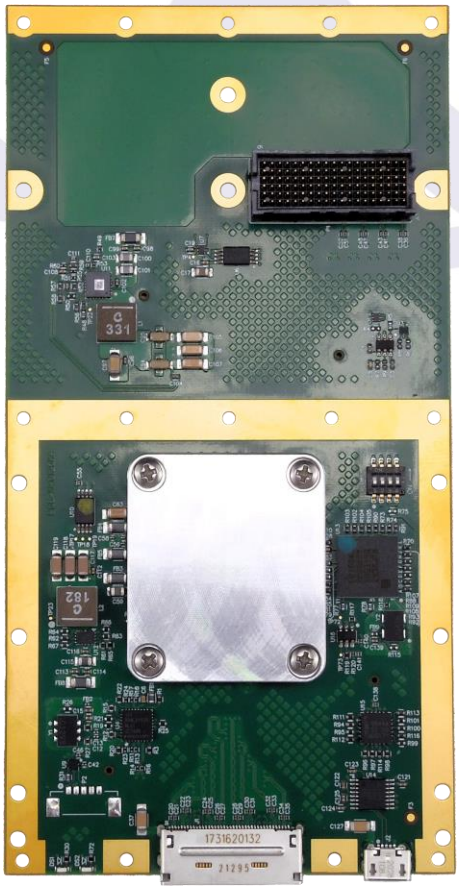

Figure 2: XMC125 Top View

Block Diagram

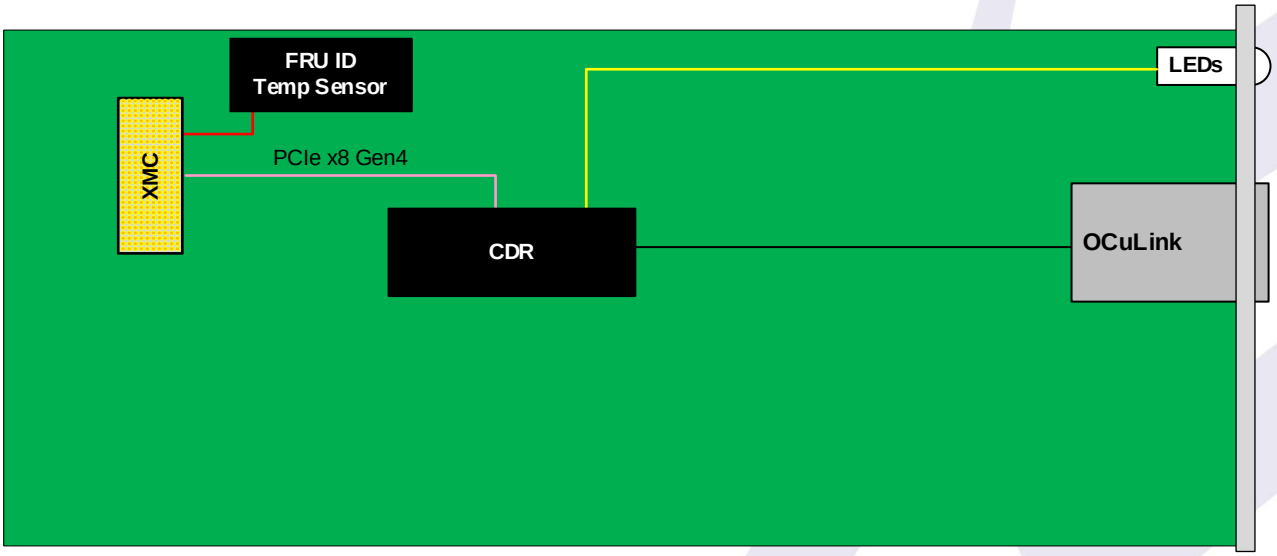

Figure 2: Functional block diagram

Specifications

Architecture		
Physical	**Dimensions**	Single-Width, per VITA 42.0 specification
Type	**XMC PCIe Extender**	x8 PCIe
Standards		
XMC	**Type**	PCIe Gen4
Module Management	**Sensors**	FRU info and Temp sensor
Configuration		
Power	**XMC125**	3W
Environmental	**Temperature**	See Ordering Options and Environmental Spec Sheet
Front Panel	**Interface Connectors**	OCuLink
	LEDs	Power Good
Software Support	**Operating System**	Agnostic
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	Two (2) years, 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

XMC125 – 0B0-000-0HJ

B = XMC Connectors		**H = Environmental**
0 = VITA 42 1 = VITA 61		See Environmental Specification
		J = Conformal Coating
		0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic

Environmental Specification

	Air Cooled		Conduction Cooled		
Option H	**H = 0**	**H = 1**	**H = 2**	**H = 3**	**H = 4**
Operating Temperature	AC1* (0°C to +55°C)	AC3* (-40°C to +70°C)	CC1* (0°C to +55°C)	CC3* (-40°C to +70°C)	CC4* (-40°C to +85°C)
Storage Temperature	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)	C1* (-40°C to +85°C)	C3* (-50°C to +100°C)	C3* (-50°C to +100°C)
Operating Vibration	V2* (0.04 g2/Hz max)	V2* (0.04 g2/Hz max)	V3* (0.1 g2/Hz max)	V3* (0.1 g2/Hz max)	V3 (0.1 g2/Hz max)
Storage Vibration	OS1* (20g)	OS1* (20g)	OS2* (40g)	OS2* (40g)	OS2* (40g)
Humidity	95% non-condensing	95% non-condensing	95% non-condensing	95% non-condensing	95% non-condensing

Notes:

*Nomenclature per ANSI/VITA 47. Contact local sales office for conduction cooled (H = 2, 3, 4).

Related Products

VPX762

- 6U VPX module Xeon-D SoC (Skylake-D) 6th-Generation
- Single XMC site with I/O expansion going to P5/P6 per VITA46.9 Pin Field P5W1-P64s+X12d+X8d
- PCIe Gen3 x16 (bifurcation to dual x8 or quad x4)

VPX752

- 6U VPX module Intel 5th Generation Xeon-D SoC
- Single XMC site with I/O expansion going to P5/P6
- PCIe Gen3 x16 (dual x8 or quad x4)

VPX105

- 6U VPX module VITA 46.0 for dual PMC/XMC modules
- PCIe x8 to each XMC
- The XMC connector option with VITA 42.0 or VITA 61.0

Contact

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