FMC Dual QSFP+ for 10 GbE/40GbE/SRIO PCIE/40Gb InfiniBand/AURORA

FMC107

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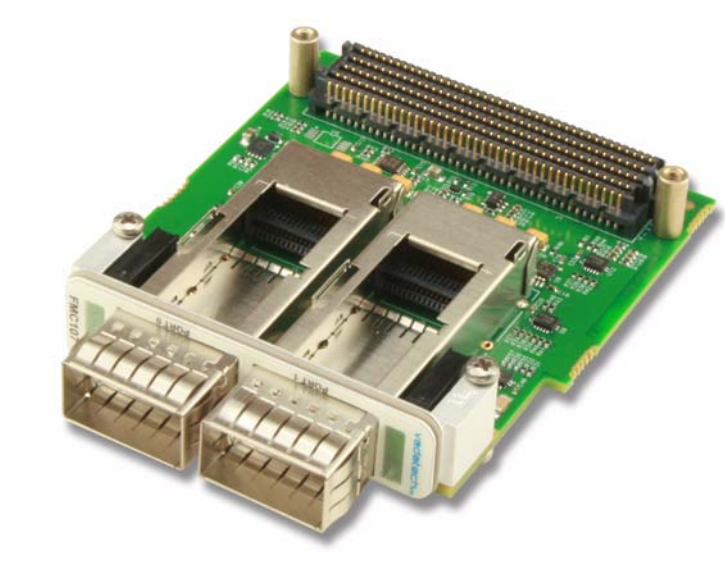

KEY FEATURES

- FPGA Mezzanine Card (FMC) per VITA-57
- Single width
- Two QSPF+ cages for 10GbE/SRIO/PCIE and Aurora
- RoHS compliant

The FMC107 is an FPGA Mezzanine Module per VITA 57 specification. The FMC107 has two QSFP+ cages which allows for dual 10GbE/40GbE/SRIO/PCIE/40Gb InfiniBand and Aurora to be routed to appropriate FMC pins.

Note: The Carrier must have no component on the top side for 46mm so that this module would fit property. All VadaTech FMC Carriers do provide this clearance.

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

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SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Single-width
		Width: 69mm
		Depth: 76.5mm
Type	**FMC**	10GbE/SRIO/PCIE/AURORA
		Single FMC slot
Standards		
FMC	**VITA57**	ANSI/VITA 57.1-2008
Configuration		
Power	**FMC107**	<1w without the QSFP Modules
Environmental	**Temperature**	Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 400 LFM)
		Storage Temperature: -40° to +90° C
	Vibration	1G, 5-500Hz each axis
	Shock	30Gs each axis
	Relative Humidity	5 to 95 percent, non-condensing
Front Panel	**Interface Connectors**	QSFP+
	LEDs	Present and User define.
Other		
MTBF	MIL Handbook 217-F > TBD.	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS and NEBS	
Warranty	Two (2) years.	
Trademarks and Logos	The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.	

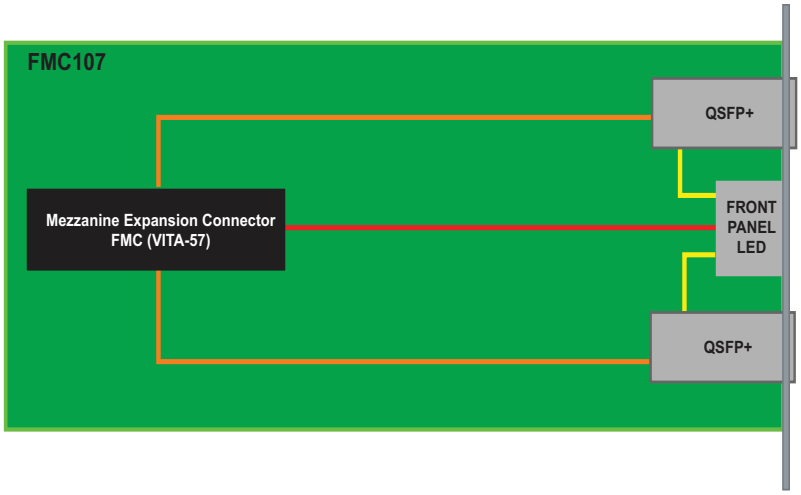
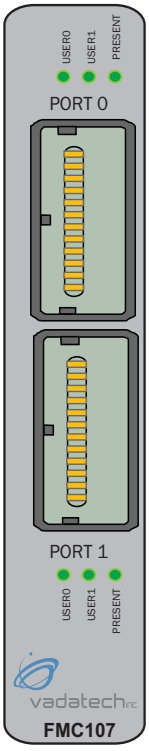


FIGURE 1. FMC107 Functional Block Diagram

FIGURE 2. FMC107 Front panel



ORDERING OPT

FMC107 - A00 - 000 - 0HJ

A = QSFP+ Transceivers

0 = None
1 = Single QSFP+ Transceiver loaded
2 = Dual QSFP+ Transceiver loaded

H = Operating Temp

0 = Commercial
1 = Industrial

J = Conformal Coating

0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

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