FMC Dual 10/100/1000 GbE Module
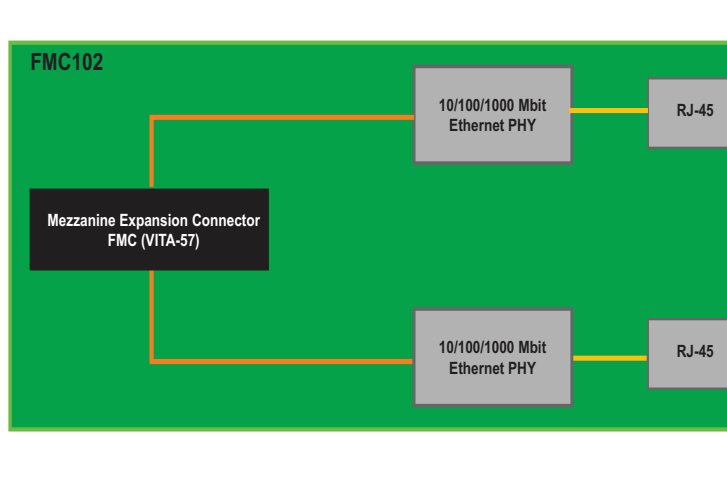# FMC102

KEY FEATURES

- FPGA Mezzanine Card (FMC) per VITA-57
- Single width
- Two 10/100/1000 Mbit GbE ports
- Connection via two RJ-45 connectors
- RoHS compliant

The FMC102 is an FPGA Mezzanine Module per VITA 57 specification. The FMC102 has two GbE PHY which allows 10/100/1000 Mbit to be routed via SERDES to the appropriate FMC pins.

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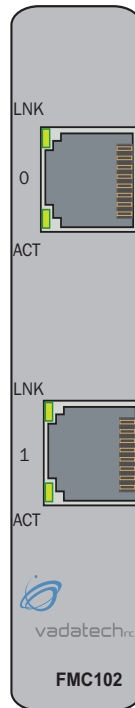
FMC Dual GbE Module

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Single-width
		Width: 69mm
		Depth: 76.5mm
Type	**FMC**	10/100/1000 GbE
		Single FMC slot
Standards		
FMC	**VITA57**	ANSI/VITA 57.1-2008
Configuration		
Power	**FMC102**	1W
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**	RJ-45
	LEDs	LNK/Activity
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.	
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FIGURE 1. FMC102 Functional Block Diagram

FIGURE 2. FMC102 Front panel

ORDERING OPTIONS

FMC102 - 000 - 000 - 0HJ

H = Operating Temp

0 = Commercial
1 = Industrial

J = Conformal Coating

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

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