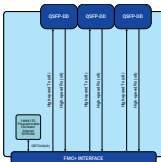# ALPHA DATA

AD01404

Prime Application

High-speed Communications

Board Features
- LMK61E2 Configurable Clock generator

Summary

The FMC-PLUS-QSFP-DD is an FMC+ I/O module, providing three QSFP-DD cages. Each cage supports eight bi-directional high speed serial channels up to 28Gbps, allowing support for standard protocols such as 2x100GE, or 8x10GE with appropriate breakout electrical cabling or optical modules. Total maximum bandwidth through the card supports 6x100GE connections, although this is dependent on the capabilities of the connected host board FPGA and the customer's communication protocol IP.

The FMC-PLUS-QSFP-DD is VITA 57.4 compliant electrically.

Deliverables

FMC-PLUS-QSFP-DD Board
One Year Warranty
One Year Technical Support

Board Format

The FMC-PLUS-QSFP-DD module is based on VITA 57.4 but does not adhere the mechanical specification

Input/Output Interfaces

High-Speed Serial

3x QSFP-DD Connector/cage with 8 lanes full duplex (up to 28Gbps per lane)

Environmental Specification

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC0	0°C	55°C	-40°C	85°C

Operating Humidity

Up to 95% (non-condensing)

EMC Standards

FCC 47CFR Part 2
EN55022:2010 Equipment ClassB

Ordering Information
Order Code: FMC-PLUS-QSFP-DD

ALPHA DATA

www.alpha-data.com

UK Office
Address: Suite L4A, 160 Dundee Street,
Edinburgh, EH11 1DQ, UK
Telephone: +44 131 558 2600
Fax: +44 131 558 2700
email: sales@alpha-data.com

USA Office
611 Corporate Circle, Suite H
Golden, CO 80401
(303) 954 8768
(866) 820 9956 - toll free
sales@alpha-data.com

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