

Quad QSFP28/QSFP+ FMC+ Module



iWave's 2x1 stacked QSFP28/QSFP+ FMC+ HPSC Module is designed to meet VITA 57.4 FMC+ Standard.

This FPGA Mezzanine Connector Plus (FMC+) Module supported by two Stacked QSFP28/QSFP+ ports (upto 400G) with 4-Bit Silicon Labs programmable clock synthesizer (default = 156.25 MHz). A flexible reference clock for on the Quad QSFP28/QSFP+ Module is fully programmable over the 0.16 to 710 MHz range through I2C. Each QSFP28/QSFP+ ports is directly connected to four multi-gigabit serial transceivers banks of Vita 57.4 complaint carrier board.

HIGHLIGHTS

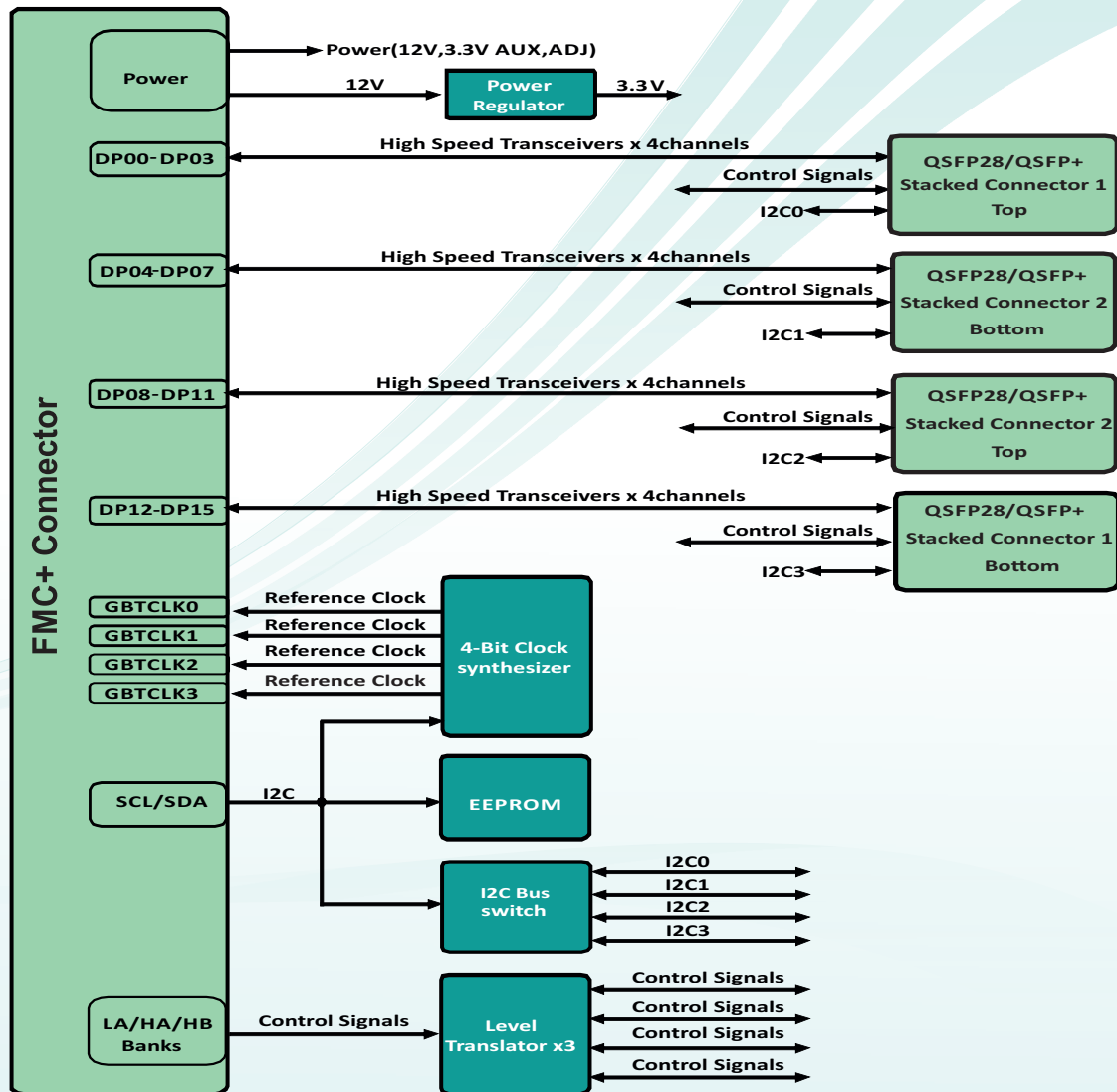
- VITA 57.4 FMC+ HSPC Connector
- Two 2x1 Stacked QSFP28/QSFP+ Connectors
- 4bit Programmable clock synthesizer
- 32Kb-EEPROM

SPECIFICATIONS

On Module Features	
FMC+ Connector	VITA 57.4 FMC+ HSPC Connector
QSFP+ Connector	QSFP28/QSFP+ Connector supported upto 400G
Clock Synthesizer	4-bit programmable clock synthesizer
EEPROM	32Kb EEPROM for VITA 57.4 Configuration storage
Power	12V from FMC+ HSPC Connector
Operating Temperature	-40°C to +85°C (Industrial Grade)
Form Factor	VITA 57.4 Single Width (84.81mm x 69mm)
Compliance	RoHS & REACH Compliant
	CE*

* Under Progress

Quad QSFP28/QSFP+ FMC+ Module Block Diagram



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iWave Systems also provides comprehensive Engineering design services involving Embedded Hardware, FPGA and Software development. iWave offers carrier board and custom hardware development with manufacturing and certification services. iWave's Hardware expertise spans complex board design up to 30 layers; Analog, Digital & RF Designs; FPGA Development up to 3+ million gates and VHDL / Verilog RTL Development & Verification. Our Software expertise ranges from OS Porting, Firmware & Device Drivers Development and Wireless & Protocol

**Optional items not included in the standard deliverables.*

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The device can be ordered online from the iWave Website

<https://www.iwavesystems.com/product/quad-qsfp28/qsfp+-fmc+-module/>

Or from our Local Partners in your region

<http://www.iwavesystems.com/about-us/business-partner.html>

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