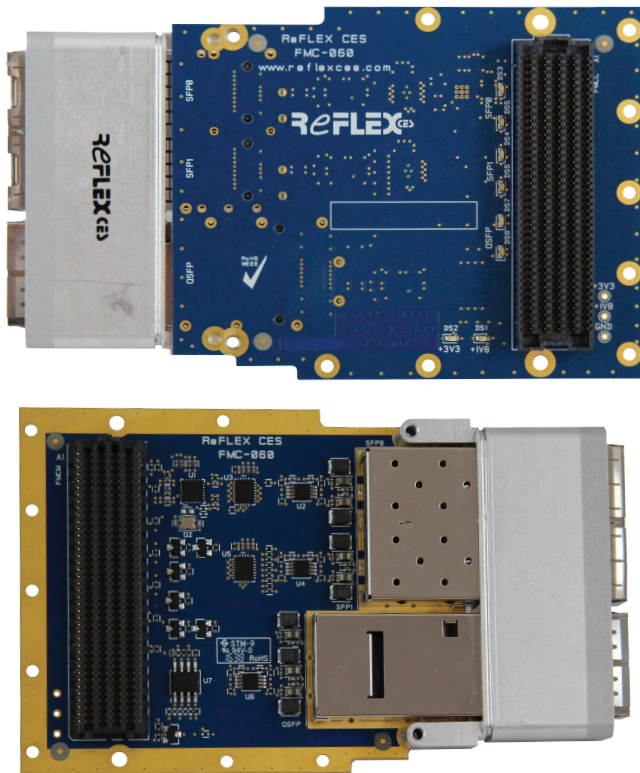


FMC - FPGA Mezzanine Card

x1 QSFP+ and x2 SFP+ Connectors

This FPGA Mezzanine Card FMC060 is compatible with standard VITA 57.1 and can be mounted on carrier boards for high speed communication



Target markets :

Security
 telecommunications
 data networking
 data storage/centers
 video surveillance
 ultra-high definition video application

Board Type	FPGA Mezzanine Card - FMC VITA 57.1
FMC Connector Type	High Pin Count - HPC
Number of transceivers channels	10
Number of SFP+ Connector	2
Number of QSFP+ connector	1 (+1 in stacked option *)
VADJ	1.2V - 3.3V
On board oscillator Range	10 MHz - 700MHz (SI5338)
On board oscillator Configuration protocol	I ² C
Other Features	Link Status indication via LEDs

* stackable option with 2nd FMC060 for an additional QSFP+

Contact :

Europe Sales Office
 sales@reflexces.com

www.reflexces.com



North America Sales Office
 salesusa@reflexces.com



Featured Device

FMC060

- FPGA Mezzanine Card High-Pin-Count (Vita 57.1 compliant)
- Fits on any FMC carrier without front panel modification
- 4 transceivers-channel QSFP+ and 2 transceivers-channel SFP+ / optional : 1 QSFP+ with stacked option
- One additional SEAF connector ASP- 134486-01 by SAMTEC with 4 more transceivers channels

- The module features an I²C programmable LVDS clock generator that operates from 10 to 700 MHz
- EEPROM memory with I2C access to store hardware definition information
- I/O operating voltage range: VADJ from 1.2V to 3.3V
- True level conversion of all QSFP+/SFP+ module pins including I2C bus lines

Clock Circuitry

- Programmable clock generator Highly-configurable output drivers (SI5338)
- Two dedicated clocks to the FPGA on carrier board
- Typical application circuit for Ethernet1GbE/10 GbE/40GbE, PCIe Gen1/2/3/4, Broadcast video/audio timing, Fiber Channel, Telecom line cards, High speed serial Connectivity

Compatibility & Environment

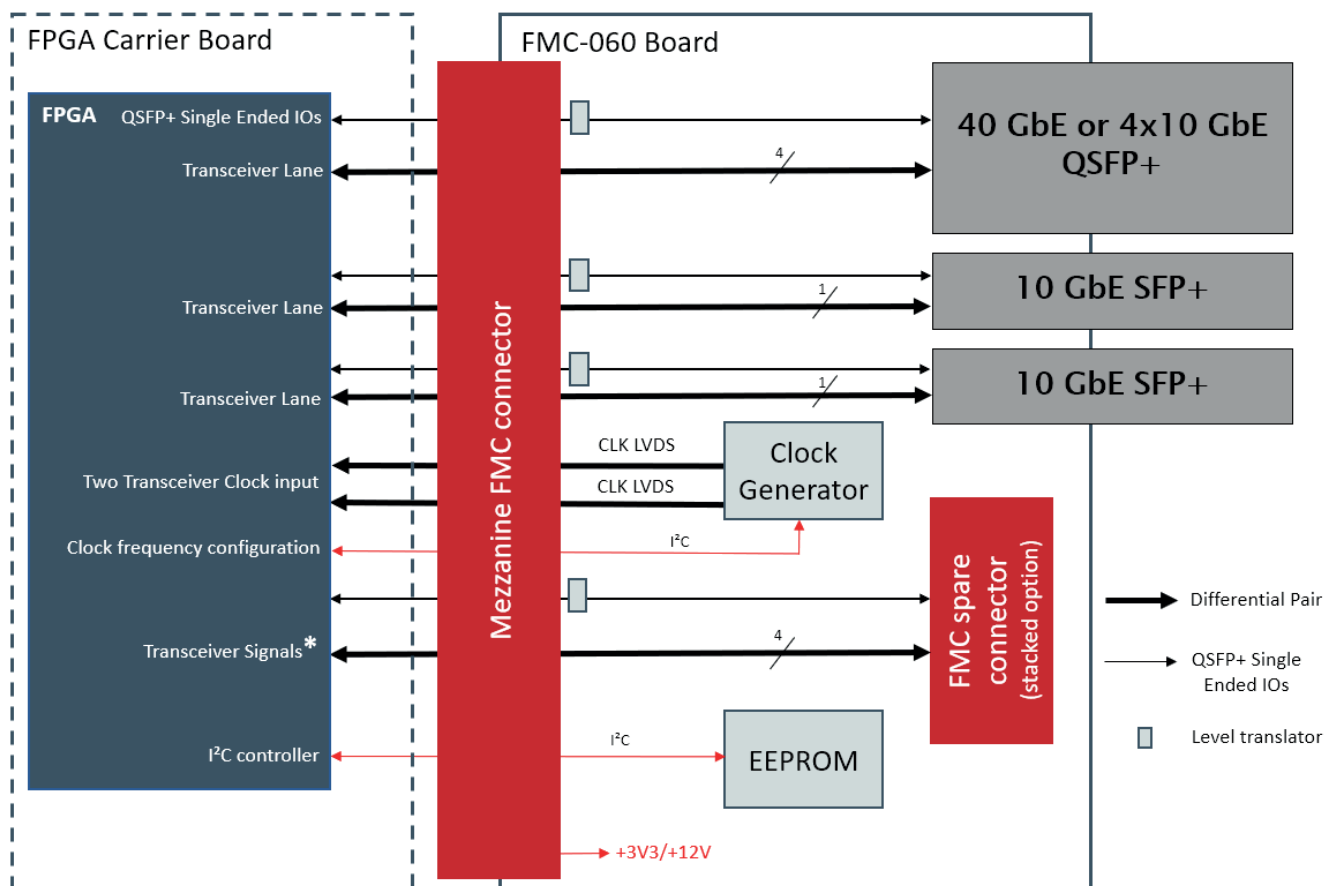
- +12V/3P3V supply from carrier board
- Operating range : 0°C to +55°C
- Storage temperature : -40°C to +85°C

Compatibility with REFLEX CES' boards

- Attila Intel Arria 10 GX FPGA PCIe board
- Alaric Intel Arria 10 SX FPGA PCIe board
- Achilles Intel Arria 10 SX FPGA SoM Module
- Sargon Intel Stratix 10 GX FPGA PCIe board

Deliverables & Ordering information

- FMC060 module hardware and front panel bezel
- Part number = RXC060-FMC00A



*4 remaining transceivers used for a second stacked board. Only the QSFP+ of the second board can be used

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ReFLEX CES:](#)

[RXC060-FMC00A](#)