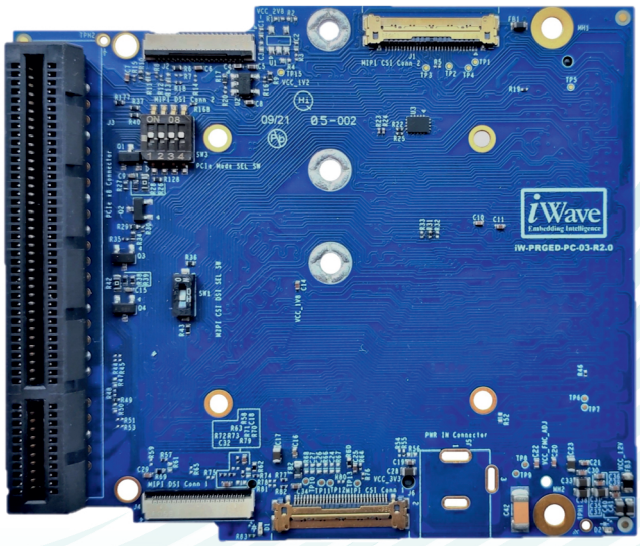
PCIe Gen3/Gen2/Gen1 x8 FMC Module



iWave's PCIe Gen3 FMC Add-On Card is compatible with off-the-shelf FPGA development Kits offers from iWave.

This FPGA Mezzanine Connector (FMC) card support upto 8 lanes for PCI Express Root Complex and End Point interface. Also end users can evaluate MIPI CSI-2, MIPI DSI 1.3 & SATA 3.0 interfaces.

HIGHLIGHTS

VITA 57.1 FMC HPC Connector

PCIe Express Gen3/Gen2/Gen1 x8 Root Port

PCIe Express Gen3/Gen2/Gen1 x8 Endpoint through Cable

PCIe Express Gen3/Gen2/Gen1 x2 and SATA interface

MIPI DSI & CSI Connector through LVDS IOs

32Kb EEPROM

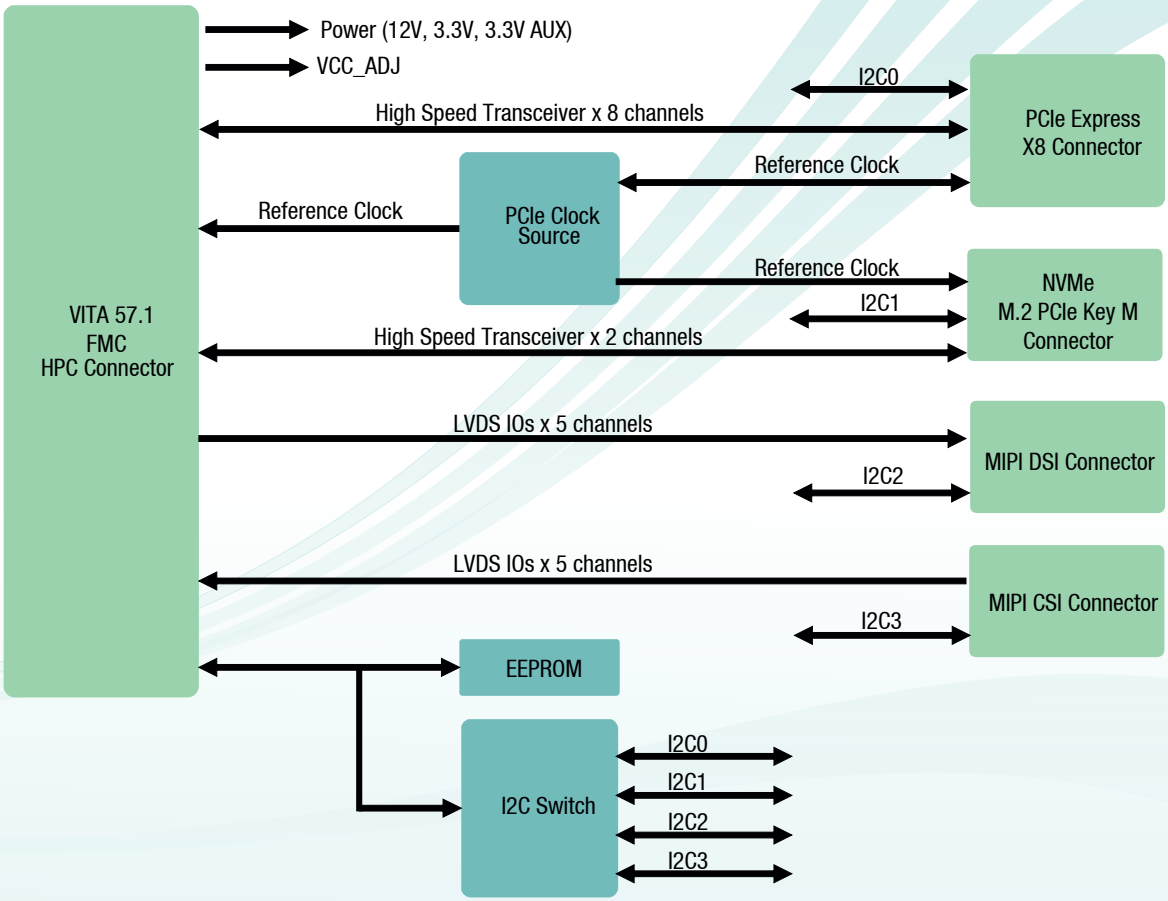
SPECIFICATIONS

On Module Features
FMC Connector
VITA 57.1 FMC HPC Connector
PCIe Gen3 x8 Slot
PCIe Express Gen3/Gen2/Gen1 x8 Root Port
PCIe Express Gen3/Gen2/Gen1 x8 Endpoint through Cable
M.2 Key M Slot
PCIe Express Gen3/Gen2/Gen1 x2 Interface
SATA 3.0 Interface
MIPI CSI Connector
4Lane MIPI Interface

MIPI DSI Connector
4Lane MIPI Interface
EEPROM
32Kb EEPROM for VITA57.1 Configuration storage
Power
12V, 3.3V from FMC HPC Connector
Form Factor
VITA 57.1 Signle Width (80mm x 69mm)
Compliance
RoHS Compliant
REACH Compliant
CE*

* Under Progress

FMC (Vita57.1) PCIe Module Block Diagram



Note:

- *Supports PCIe x8 Root Port and End Point*
- *PCIe End point can be supported through external PCIe x8 edge to PCIe x8 edge cross over cable.*

iWave Systems Technologies is an ISO 9001:2015 certified company, head quartered in Bangalore India established in the year 1999. The company focuses on providing embedded solution and services for Industrial, Medical, Automotive and various other Embedded Computing applications. iWave Systems offers wide range of System On Modules and Single Board Computers built using wide range of CPU and FPGA SoC platforms with different form factors such as Qseven, SMARC, SODIMM and HPC by closely working with Tier-1 silicon companies such as NXP, Xilinx, Intel etc.

iWave Systems offers various state of art ready ODM solutions such as Connected Telematic Control Unit / OBD II devices for the automotive edge analytics, Comprehensive ARINC818 solutions for the low latency Aerospace applications and Rugged IP rated performance scalable HMI solutions for Industrial applications.

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.*

Note: iWave reserves the right to change these specifications without notice as part of iWave's continuous effort to meet the best in breed specification. The registered trademarks are proprietary of their respective owners.

PCIe Gen3/Gen2/Gen1 x8 FMC Module

The device can be ordered online from the iWave Website
https://www.iwavesystems.com/product/pcie-gen3-fmc-module/
Or from our Local Partners in your region
http://www.iwavesystems.com/about-us/business-partner.html

iWave Systems Tech. Pvt. Ltd.,
7/B, 29th Main, BTM Layout 2 nd Stage,
Bangalore-560076, India.
Ph:+91-80-26683700, 26786245
Email: mktg@iwavesystems.com
www.iwavesystems.com

iWave Japan, Inc.
8F-B, Kannai Sumiyoshi Building,
3-29, Sumiyoshi-cho, Naka-ku,
Yokohama, Kanagawa, Japan.
Ph: +81-45-227-7626
Email: info@iwavejapan.co.jp
www.iwavejapan.co.jp

iWave Europe
Venkelbaan 55 2908KE
Capelle aan den IJssel
The Netherlands
Ph: +31 10 28403383
Email: info@iwavesystems.eu

iWave US
1692 Westmont Ave.,
Campbell,
CA95008 USA
Ph: 408-206-5958
Email: info@iwavesystems.us

Mouser Electronics

Authorized Distributor

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

iWave Systems:

iW-FMC-PCIe-I2