

PCIe Gen4 x16 FMC+ Module



iWave's Gen4 x16 PCle FMC+ Module is designed to meet VITA 57.4 FMC+ standard.

This FPGA Mezzanine Connector Plus (FMC+) Module support upto 16 lanes for PCI Express Root Complex and Endpoint Interface. A flexible 2-Bit clock source for PCIe x16 connector and Transceiver reference clock. Each of these 16 lanes is directly connected to four multigligabit serial transceivers banks of Vita 57.4 complaint carrier board.

HIGHLIGHTS

VITA 57.4 FMC+ Connector

PCI Express Gen4 x16 Root Port

PCI Express Gen4 x16 Endpoint through cable

2-Bit Clock source for reference

32Kb EEPROM

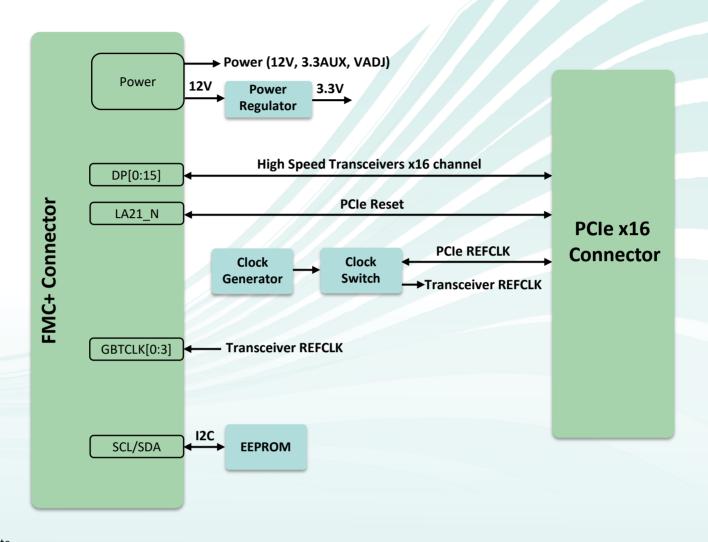
SPECIFICATIONS

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FMC+ Connector
VITA 57.4 FMC+ Connector
PCIe Connector
PCI Express Gen4 x16 Root Port
PCI Express Gen4 x16 Endpoint through Cable
Clock Source
2-bit clock for reference (100MHz)
EEPROM
32Kb EEPROM for VITA 57.4 Configuration Storage

Power
12V from FMC+ Connector
Operating Temperature
-40°C to +85°C (Industrial Grade)
Form Factor
98.5mm x 69mm
Compliance
RoHS Compliant
REACH Compliant



PCIe Gen4 x16 FMC+ Module Block Diagram



Note

- · Supports PCIe x16 Root Port and End Point
- PCIe End point can be supported through external PCIe x16 edge to PCIe x16 edge cross over cable

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*Optional items not included in the standard deliverables.

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JAPAN

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The device can be ordered online from the iWave Website https://www.iwavesystems.com/product/pcie-gen4-x16-fmc-module/
Orfrom our Local Partners in your region http://www.iwavesystems.com/about-us/business-partner.html

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