

# AD01285



#### **Applications**

 40G Ethernet • High-Speed Communications

Summary

Datasheet Revision: 2.0 1st November 2020

FMC-RCP-10G

# **Board Features**

• 1 or 2 ARINC 801 Connectors

The FMC-RCP-10G is an FMC I/O Module with up to four 10Gb/s Optical transceiver channels.

Based on the FMC Standard (VITA 57.1) but with modified profile and increased front IO area to accommodate the optical transceivers.

Suitable for use in harsh environments with LuxCis optical connectors and full speed operation over the industrial temperature range.

# RCP 0 RCP 1 LEVEL TRANSLATOR CHANNEL ( CHANNEL 2 CHANNEL CHANNEL osc PSU OSC FMC INTERFACE

#### **Deliverables**

FMC-RCP-10G Board One Year Warranty One Year Technical Support

## **Board Format**

VITA 57.1 FPGA Mezzanine Card (FMC)

Input/Output Interfaces

# **High-speed Serial IO**

Optical Links - 850nm (2 Tx & 2 x)

# **Environmental Specification**

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC1	-40°C	+70°C	-55°C	+100°C
CC1	-40°C	+70°C	-55°C	+100°C

#### **Operating Humidity**

Up to 95% (non-condensing)

### **EMC Standards**

FCC 47CFR Part 2 EN55022:2010 Equipment ClassB

#### **Ordering Information**

# Order Code: FMC-RCP-10G/I(f0)(c)(a)

Option	Code	Description of Options
Lanes	I	2 = 2 Tx + 2 Rx Lanes (one RCP Module), 4 = 4 Tx + 4 Rx Lanes (two RCP Module)
Referency Frequency	fO	blank = 156.250MHz, /xxx.yyy (specify frequency in MHz)
Cooling	с	blank = air cooled industrial, /CC1 = conduction cooled industrial
Conformal Coating	а	blank = no conformal coating, A = Acrylic, P = Polyurethane



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