



#### Applications

- 40G Ethernet
- High-Speed Communications

#### Summary

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.

#### Deliverables

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

#### Board Features

- 1 or 2 ARINC 801 Connectors

#### Input/Output Interfaces

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



**Support**

FMC Pinout available in User Manual

**Environmental Specification**
**Temperature Ranges**

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

**Conformal Coating Options**

 Acrylic or Polyurethane  
 Contact sales for specification of coatings.

**Ordering Information**
**Order Code: FMC-RCP-10G/(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	f0	blank = 156.250MHz, /xxx.yyy (specify frequency in MHz)
Cooling	c	blank = air cooled industrial, /CC1 = conduction cooled industrial
Conformal Coating	a	blank = no conformal coating, A = Acrylic, P = Polyurethane

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