

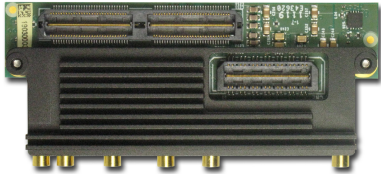
AD01379

### Applications

- RF/IF Signal Sampling/Generation
- High Speed Analog Data Capture.
- High Speed Analog Signal Generation

### Board Features

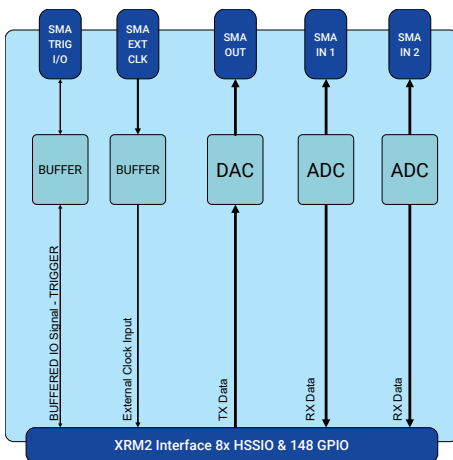
- Dual 14-bit 3Gsps ADCs
- ADC is JESD204B compliant
- Single 16-bit 1.0Gsps DAC
- External Clock Input
- On-board precision oscillator



### Summary

The **XRM2-DA5** is an I/O Module which provides dual channel ADC and single channel DAC interfaces.

The XRM2-DA5 is designed for use with Alpha Data's XRM2 compliant carrier cards. It provides the user with dual high speed Analog to Digital Converters at 14bits/3GHz and a single high speed Digital to Analog converter at 16bits/1GHz along with one external clock input and two bidirectional trigger/synchronisation signals.



### Deliverables

XRM2-DA5 Board  
One Year Warranty  
One Year Technical Support

### Input/Output Interfaces

#### ADC

Dual Analog to Digital Converters

Resolution: 14-bit  
Max Sample Freq: 3 GHz  
Bandwidth: 2 MHz to 3200 MHz  
Impedance: 50 Ohm  
Connector: MMCX

#### DAC

Single Digital to Analog Converter

Resolution: 16-bit  
Max Sample Freq: 1GHz  
Bandwidth: 4.5 MHz to 500 MHz  
Impedance: 50 Ohm  
Connector: MMCX

#### External clock input

External clock input

#### Trigger/I/O

Bidirectional Trigger Signal

#### Internal Clock

Internal Clock

**Support**

No specific software required

**Board Format**

Alpha Data XRM2 I/O Module

**Environmental Specification**

Cooling Option	Operating Temperatures		Storage Temperatures	
	Min	Max	Min	Max
AC1	-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: XRM2-DA5**