

XRM-ADC-S4/3G

9th February 2015

Datasheet Revision: 1.2



Summary

The XRM-ADC-S4/3G is an I/O Module which provides a single channel Analog to Digital convertor with 8-bit resolution at sampling rates up to 3GHz.

The XFM is aimed at IF/Baseband Signal Sampling. An esternal clock source may be used or an internally observed to the source may be used or an internal body. An Auxiliary ICO port is provided for use as a trigger input and general purpose signaling. An additional the ports are extellable to use to spot-speed manual to the source and the source and the operating temperature of the ADC. Provided as part of temperature of the device, and otherwise to monitor this and readibrate the ADC if the terminal drift is sufficient. The transmission of the ADC is the terminal drift is sufficient.

Features

Applications:

IF/Baseband Signal Sampling

Front Connector I/O:

Single ADC Input

Clock In

Clock Out

Auxiliary I/O port

Dual external synchronisation ports







Specification			
Product Name	XRM-ADC-S4/3G		
Front I/O	Signal forque: Single ADC Input Times - Stops Itan - Addres Itan - Stops Itan - St		
XRM2	The XRM-ADC-S4/3G is also available for XRM2 based FPGA products.		
Special Functions	The XRM has built-in thermal monitoring of the ADC		
Software	Example UCF, HDL files and Application software are provided with the board.		
Environmental	Temperature: A control temperature: 10 + 50°CT. 1 - It is elsemain that sufficient air-colong is provided. If thermal monitoring is provided on board then this solution is used to ait the device down if it starts to overheat in order to reduce the possibility of damaging the EWC: EVEX. EVEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX.DEX. EVEX		

Ordering Codes				
XRM(xvar)-ADC-S4/3G(con)(h)				
XRM Version	xv- er	blank=Original XRM (FPGA products up to Vintex-5), 2=XRM Version 2 (FPGA products Vintex-6 and later)		
Connector Option	con	/blank=SMA (7mm standard), /SMA20= Long Barrel SMA(20mm), /SMB, /SMC		
Heatsink	h	blank = No Heastink, /HTSK-XRM-ADC-HS-1 = Heatsink Fitted		

Address:	4 West Silvermills Lane.
	Edinburgh, EH3 5BD, UK
Telephone:	+44 131 558 2600
Fax	+44 131 558 2700
email:	sales@alpha-data.com
website:	http://www.alpha-data.com

Address: 3507 Ringsby Court Suite 105, Denver, CO 80216 Flachone: (203) 954 8768 Fax: (866) 820 9966 toll free email: sailes @alpha-data.com website: http://www.alpha-data.com