
Summary

The **XRM-DAC-D3/275** is an I/O Module which provides two 14-bit Digital-to-Analog converters sampling at up to 275MSPs. It is aimed at IF/Baseband signal generation, provision is made for use of either an external or internally generated clock source. External trigger and auxiliary I/O ports are also provided.

Features
Applications:

IF/Baseband data signal generation

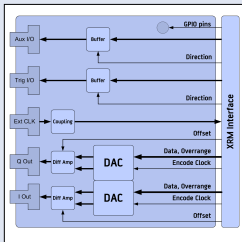
Front Connector I/O:

Dual 14-bit DACs up to 275MSPs

External Clock Input

Trigger I/O port

Auxiliary I/O port





Specification

Product Name	XRM-DAC-D3/275
Front I/O	<p>Dual Channel DAC: Dual 14-bit DACs up to 275Mpsps resolution = 14-bit levels = $\pm 1V$ = DAC full scale fmax = 275MHz bandwidth = AC Coupled = 0.25MHz to 80MHz DC Coupled = DC to 80MHz impedance = 50 connector = SMA SMA-L SMB SMC Offset: -1V to +1V dc, 16-bit resolution for each channel</p> <p>External Clock: External Clock Input impedance = 50 AC levels = +12dBm nominal (2.5V pk to pk)</p> <p>External Trigger I/O: Trigger I/O port levels = TTL/LVTTL impedance = 4kΩ, dc coupled Level: +3V3 LVTTTL or +5V TTL (Factory/user selectable)</p> <p>External Auxiliary I/O: Auxiliary I/O port levels = TTL/LVTTL impedance = 4kΩ, dc coupled Level: +3V3 LVTTTL or +5V TTL (Factory/user selectable)</p>
Software	No specific software required
Environmental	<p>Temperature: Operating Temperature 0° to +55°C</p> <p>EMC: FCC 47CFR Part 2 EN55022 Equipment Class B</p>

Ordering Codes

XRM-DAC-D3/275(coupling)(con)(io)

Connector Option	con	blank =SMA (7mm standard), /SMA20=Long Barrel SMA (20mm), /SMB, /SMC
I/O Voltage Option	io	blank = LVTTTL I/O levels, /5V = TTL I/O Levels
Output Coupling	coupling	blank = DC Coupled (standard), /AC = AC Coupled

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
 Telephone: (303) 954 8768
 Fax: (866) 820 9956 toll free
 email: sales@alpha-data.com
 website: <http://www.alpha-data.com>