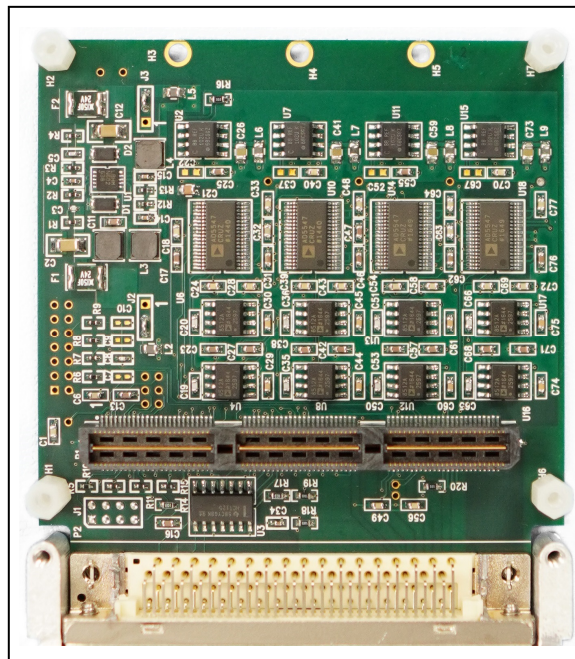


## AXM FGA INTERFACE

### 8 1 $\mu$ s D/A Channels

#### Features

- AXM interface board
- 8 Channels D/A
- 1  $\mu$ s settling time, 0-5v range
- 16 Bits Resolution
- 2- or 4-quadrant, 6.8 MHz BW multiplying DAC
- $\pm 1$  LSB DNL  $\pm 1$  LSB INL
- Low noise: 12 nV/ $\sqrt{\text{Hz}}$
- Built-in 4-quadrant resistors allow 0 V to -10 V, 0 V to +10 V, or  $\pm 10$  V outputs
- Selectable zero-scale/midscale power-on presets put Ranges per channel
- Up to 30ma Output Drive
- Front Panel 68 pin MDR Connector



#### Block Diagram and Operational Overview

The **AXM-DA8-16** is an advanced 8-channel, 16-bit Digital-to-Analog converter module designed for precise and high-speed signal generation. Controlled via the **AXM interface**, it delivers exceptional performance with a **1  $\mu$ s settling time** and a default **0-5V output range**. The module supports **2- or 4-quadrant operation**, enabling outputs of **0 V to  $\pm 10$  V** or other programmable ranges using built-in resistors. With  **$\pm 1$  LSB DNL and INL** accuracy, **12 nV/ $\sqrt{\text{Hz}}$  low noise**, and a **6.8 MHz bandwidth**, it ensures high precision and minimal signal distortion. It provides up to **30 mA output drive per channel**, suitable for driving diverse loads. Additional features include selectable **power-on presets** for zero-scale or midscale output and easy connectivity via a **68-pin MDR front panel connector**. The **AXM-DA8-16**, paired with the AXM interface, is ideal for industrial control, instrumentation, and automated testing applications requiring reliable and flexible analog signal generation.

Ordering information	
Part Number	Description
<b>AXM-DA8-16</b>	<b>AXM 8 D/A 1 <math>\mu</math>s channels</b> <b>Option</b> (add following the part number) <b>C</b> (Conformal coat)
Optional Accessories	
<b>CBL-MDR68</b>	<b>68 Pins MDR Cable 1M</b>