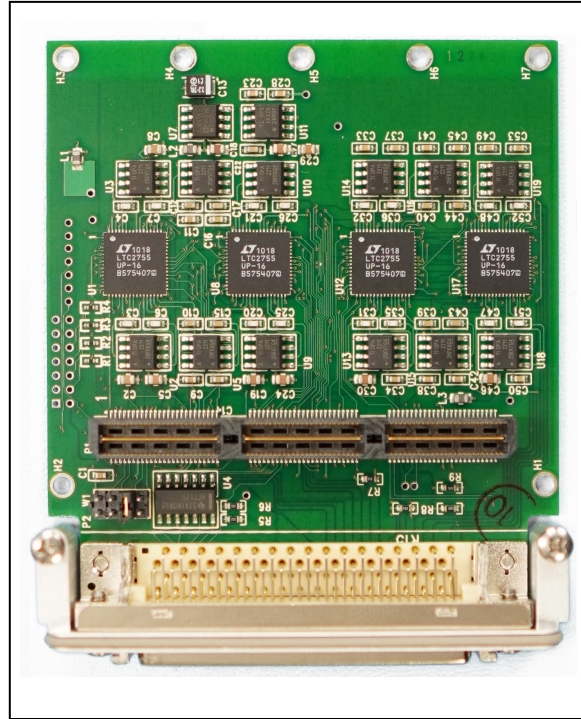


## AXM FGA INTERFACE 16 $\mu$ s D/A Channels

### Features

- AXM interface board
- 16 Channels D/A
- 2  $\mu$ s settling time, 0-5v range
- Six Programmable Output Ranges per channel
- Up to 30ma Output Drive
- Output Specification:
  - 16 Bits Settling time: 700ns (typ)
  - Low Offset: 125 $\mu$ V(typ)
  - Offset Drift: 0.35  $\mu$ V/ $^{\circ}$ C (typ)
- Unipolar: 0V to 5V, 0V to 10V
- Bipolar Mode:  $\pm$ 5V,  $\pm$ 10V,  $\pm$ 2.5V,  $-$ 2.5V  
 7.5V,  $\pm$ 10 mA continous,  $\pm$ 30 mA max
- 1LSB Max DNL and INL Over the Industrial Temperature Range
- 500 KSPS throughput
- Front Panel 68 pin SCSI Connector



to

### Block Diagram and Operational Overview

The **AXM-DA16** is a versatile 16-channel Digital-to-Analog interface board designed for high-speed and precision applications. It features a **2  $\mu$ s settling time** with 16-bit resolution and programmable output ranges, supporting unipolar (0-5V, 0-10V) and bipolar ( $\pm$ 5V,  $\pm$ 10V,  $\pm$ 2.5V) configurations. Each channel delivers a fast settling time of **700 ns (typ)** with low offset voltage (125  $\mu$ V) and drift (0.35  $\mu$ V/ $^{\circ}$ C). The board supports  **$\pm$ 30 mA output drive**, ensuring compatibility with various load requirements. The **AXM bus architecture fully controls the D/A**, providing seamless and efficient communication between the board and host systems. The **68-pin SCSI front-panel connector** ensures easy system integration, while its **industrial-grade linearity (1 LSB max)** ensures robust performance across temperature ranges. The AXM-DA16 is ideal for precision signal generation in industrial and scientific applications.

Ordering information	
Part Number	Description
<b>AXM-DA16</b>	<b>AXM 16 D/A 2 <math>\mu</math>s</b> channels <b>Option</b> (add following the part number) <b>C</b> (Conformal coat)
Optional Accessories	
<b>CBL-SCSI68</b>	<b>68 Pins SCSI Cable 1M</b>