

Data Acquisition and Motion Control

VMIVME-4100

Board Level Products – Data Acquisition and Motion Control

Analog Output Boards

VMIVME-4100

16-CHANNEL ANALOG OUTPUT BOARD

- Buffered (voltage output +/-10 V at 5 mA)
- 12-bit DAC per channel
- Output isolation switches
- Fast settling: 8 μ s maximum
- Double-buffered data latches, allows updating of all channels simultaneously
- Multiplexed programmable outputs for Built-in-Test support
- Jumper-selectable synchronized update control
- 4-, 8-, or 12-channel options available
- Double Eurocard form factor
- +/-0.05 percent of FSR gain error
- +/-0.025 percent of FSR offset error
- +/-1/4 LSB linearity error
- +/-1/2 LSB differential linearity error
- High accuracy option
- Selectable external update control input provides single update strobe for all DAC outputs
- Factory-trimmed gain and offset-requires no calibration
- Software board driver VMIVME/SW-Vx4100-00C-030 for VxWorks (680x0) is available
- Applications: Automatic Test Equipment Stimulus Outputs, Analog Output Voltage Source, Process Control Outputs, Servo Control Loops, Supervisory Control Systems

Ordering Options	A	B	C	-	D	E	F
VMIVME-4100	-				-		

A = Analog Output Option

0 = +/-10 VDC Bipolar Output

1 = Reserved

B = Built-in-Test Option

4 = Without Built-in-Test and without Output Isolation Switches

5 = With Built-in-Test and Output Isolation Switches

C = Accuracy Option

0 = Standard Accuracy

1 = High Accuracy
