

AX10411

16-Channel Data Acquisition Module

DELTA COMPONENTS®

3

Industrial Automation



Features

- ▶ 16 S.E. analog inputs with 12-bit resolution
- ▶ Max. throughput 12.5KHz
- ▶ Supports Windows® 95/98/NT/2000 driver

Analog Input Subsystem

Number of Inputs	16 single end
Resolution	12-bit
Maximum Throughput	12.5KHz
A/D Conversion Time	10µS max.
Channel Acquisition Time	5µS max.
System Accuracy	±0.03% FSR
Input Ranges	±5V, ±2.5V, ±1.25V, ±0.625V, ±0.3125V all ranges are software selectable
Output Coding	Offset binary
Max. Input without	Power on: ±30V
Damage Voltage	Power off: ±45V
Input Impedance	Off channel: 100MΩ On channel: >10MΩ
Nonlinearity	±1 LSB
Differential Nonlinearity	±1 LSB
Inherent Quantizing Error	±1 LSB
Zero Drift	Bipolar: 17ppm of FSR/ °C
Gain Drift	30ppm of FSR/ °C
Monotonicity	Monotonic 0 to +70°C
Bias Current	±100nA

Power Requirements

+5V _{DC}	800mA max.
+12V _{DC}	25mA max.
-12V _{DC}	15mA max.

Physical/Environmental

Dimensions (L x W)	96 x 90mm
Weight	130g
Relative Humidity	20 to 90%, non-condensing

Packing List

Manual, utility & basic/C/pascal drivers CD

Digital I/O Subsystem

Digital Input Lines	8
Digital Output Lines	8
Improved Noise Margins	Hysteresis VT+ - VT- = 0.4typ.
Input/Output Level	TTL/DTL compatible

Onboard Clock

Base Frequency	4MHz
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Counter/Timer Subsystem

Type	Programmable interval timer counters three 16-bit down counters
Clock Input	D.C. to 10MHz
Input Level	TTL, DTL CMOS compatible
Output Range	2.5MHz to 72 minutes/pls

Ordering Information

Standard	
AX10411A	16-channel data acquisition module
Optional	
AX750	Screw terminal panel for A/D, D/A and D I/O signal
AX752	16-channel multiplexer & amplifier board
AX757	8-channel relay output & optoisolated D/I board
AS59099	DOS, Windows® 3.1/95/98/NT DDL driver and device utility CD
AS59080	ActiveX control driver, 3rd party drivers (LABTECH, Labview, DasyLab) and OPC server

* All the specifications and photos are subjected to be changed without notice.

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Industrial Communication Solutions