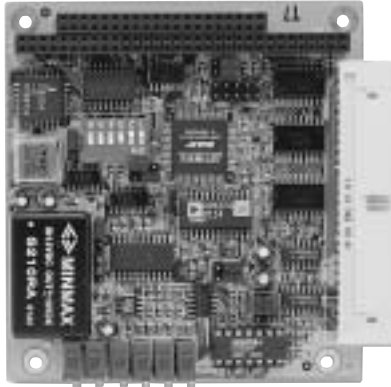# AX10410A

High Speed Data Acquisition Module

FEATURES

▶ **16 S.E. or 8 differential analog inputs with 12-bit resolution**

▶ **Max. up to 100KHz sample rate via DMA mode**

▶ **2-channel D/A output**

▶ **8-bit TTL/DTL compatible I/O**

▶ **1-channel counter/timer**

▶ **Supports Windows® 95/98/NT/2000 driver**

Analog Input Subsystem

Number of Inputs	16 S.E. or 8 D.I.
Resolution	12-bit
Gain	1, 2, 4, 8
Input Ranges	Unipolar: 0-1.25, 2.5, 5, 10V
	Bipolar: ±1.25, 2.5, 5, 10V
Sampling Rate	100KHz max.
System Accuracy (Gain=1)	±0.03% FSR
Channel Acquisition Time	to ±1/2 LSB; Gain = 1, 2, 4, 8
A/D Conversion Time	10μS
Input Impedance	Off channel: 100MΩ, 20pF
	On channel: 100MΩ, 20pF
Max. Input Voltage	Power on: ±35V
without damage	Power off: ±20V
Common Mode	Gain = 1:90dB
Rejection Ratio	
Integral Nonlinearity	±1 LSB
No. of Interrupt	1
Channel of DMA	1 or 3

Analog Output Subsystem

No. of Channel	2
Output Ranges	5V or 0 to +10V, internal reference supplied
Current Output Capacity	+5mA max.

Digital I/O Subsystem

Digital Input Lines	8
Digital Output Lines	8
Logic Family	LSTTL
Input/Output Level	TTL/DTL compatible

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

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/Windows® drivers CD

ORDERING INFORMATION

Standard	
AX10410A	AX10410A module
Optional	
AX750	Screw terminal panel for A/D, D/A and D I/O signal
AX752	16-channel multiplexer & amplifier panel
AX757	8-channel relay output & optoisolated D/I panel
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.