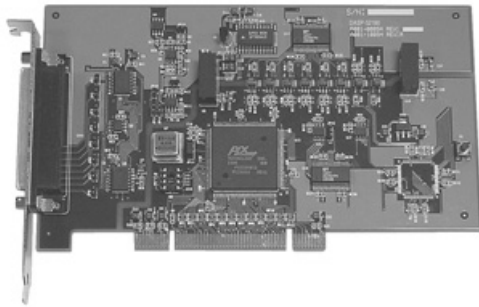


DASP-52180

12-bit 8 Isolated Analog Input w/Free-running Card



Specifications

Analog Input	
Channels	8
Resolution	12-bit
Input type	differential Input
Max. sampling rate	8K S/s(total channel)
Cycle time	1ms (free-running)
Optical isolated	2500V _{bc}
Input impedance	10M Ω
Maximum input over voltage	+/- 10V
Accuracy of FSR	+/- 1 LSB
Input range	Voltage: $\pm 10V$, $\pm 5V$, 0-10V, 0-5V, Current: 0-20mA
Zero calibration	EEPROM on boarda
General Environment	
I/O connector	37-pin D-sub female
Power consumption	+5V @ 900mA (max.)
Operating temperature	0 ~ 60°C
Storage temperature	-20 ~ +70°C
Humidity	0 ~ 90% non-condensing
Dimensions	185mm x 122 mm

Applications

- Process controls
- Measurement controls
- Data acquisition system
- Process status monitoring
- Laboratory automation
- Production line test equipment

Ordering Information

DASP-52180	12-bit 8 isolated analog input w/free-running card
Terminal Board	
TB-88037	37-pin D-sub female wiring terminal board with DIN-rail mounting
Cable	
CB-89037-2	37-pin D-sub male to male 2M cable
CB-89037-5	37-pin D-sub male to male 5M cable

Features

- ▶ 12-bit 8 analog differential inputs
- ▶ Analog input type: voltage and current
- ▶ Free running A/D sampling (auto-run and auto-update)
- ▶ On-board watchdog timer supported
- ▶ A/D software programmable zero calibration
- ▶ Windows® 98/NT/2000/XP and Labview 6.0/7.0 driver supported
- ▶ Complete sample program- VB, VC, BCB, Delphi

Introduction

The DASP-52180 is a PCI-bus, 8 12-bit isolated analog input card. It provides many powerful features such as free-running mechanism, on-board watchdog timer, and isolation protection of 2500V_{bc}. The card is suitable for laboratories, production line test automation, and measurement control.

Advanced S/W Mechanism: Free-running

Free-running is a brand new data-retrieving mechanism to mainly save software SW RD 30% ~ 50% of the time and effort in developing application programs. It helps software RD by using several rows of simple programs to read data, instead of countless numbers in the past.

On-board Watchdog Timer

Users can set up time intervals for the timer. While the application programs within the time interval have not connected with DASP/DASA products, the DASP/DASA will be sending out a preset safety value to a devices linked to the DASP/DASA. This helps maintain a stable system.

Pin Assignment

Analog Input 0+	1	●	20	Analog Input 0-
Analog Input 1+	2	●	21	Analog Input 1-
Analog Input 2+	3	●	22	Analog Input 2-
Analog Input 3+	4	●	23	Analog Input 3-
Analog Input 4+	5	●	24	Analog Input 4-
Analog Input 5+	6	●	25	Analog Input 5-
Analog Input 6+	7	●	26	Analog Input 6-
Analog Input 7+	8	●	27	Analog Input 7-
AGND	9	●	28	AGND
FGND	10	●	29	FGND
NC	11	●	30	NC
NC	12	●	31	NC
NC	13	●	32	NC
NC	14	●	33	NC
FGND	15	●	34	NC
NC	16	●	35	NC
NC	17	●	36	NC
NC	18	●	37	NC
NC	19	●		