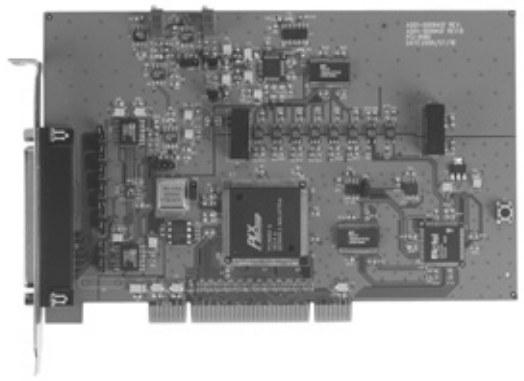
DASP-52180

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



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**

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_{DC}
Input impedance	10MΩ
Maximum input over voltage	+/- 10V
Accuracy of FSR	+/- 1 LSB
Input range	Voltage: ±10V, ±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
Humility	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

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_{DC}. The card is suitable for laboratories, production line test automation, and measurement control.

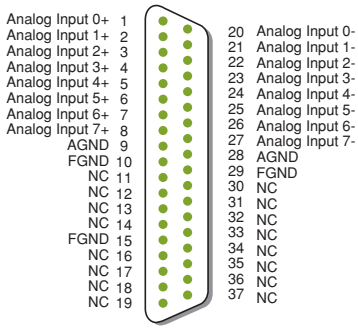
Advanced S/W Mechanism: Free-running

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



* All specifications and photos are subject to change without notice.