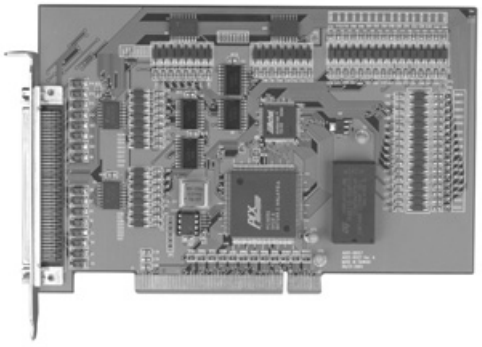
DASP-52064/52064L

Isolated 32 D/I & 32 D/O Card



Features

- **32 isolated digital inputs for source type**
- **32 interrupt input I/O (digital input)**
- **32 isolated digital outputs for sink type**
- **2K battery backup RAM for backup nonvolatile data (only for DASP-52064)**
- **One programmable timer and interrupt**
- **Supports Windows® 98/NT/2000/XP, Labview 6.0/7.0 driver**
- **Supports VB, VC, BCB, Delphi sample program**

Specifications

Isolated Digital Input	
Input channels	32
Interrupt input channel	32
Interrupt input source type	I/O interrupt & timer interrupt
Input type	source
Optical isolated	2500V_{DC}
Opto-isolator response time	20us
Over-voltage protect	50V_{DC}
Input voltage	VIH (max.): 36V_{DC} VIH (min.): 4V_{DC} VIL (max.): 3V_{DC}
Input current	10 V_{DC} 2.9mA (typical) 12 V_{DC} 3.6mA (typical) 24 V_{DC} 7.5mA (typical) 36 V_{DC} 11.5mA (typical)
Isolated Digital Output	
Output channels	32
Output type	sink (open collector)
Optical Isolation	2500V_{DC}
Output voltage	10 ~ 40V_{DC}
Opto-isolator response time	20us
Battery Backup RAM (DASP-52064 only)	
Range of base address	P&P Memory Mapped
Size	2K bytes
Programmable Interval Timer	
Channel	1
Resolution	32 bits
Time base	2MHz
Timer range	0.5s~2147ms
General Environment	
I/O connector type	100-pin SCSI-II pin type female
Power consumption	+5 V @ 300mA (typical) +5 V @ 500mA (max.)
Operating temperature	0 ~ 60˚C
Storage temperature	-20 ~ 70˚C
Relative humidity	0 to 90% non-condensing
Dimensions	185mm x 122mm

Introduction

The DASP-52064 is a PCI-bus, 32 isolated D/I and 32 isolated D/O card. It offers 2K bytes on-board battery backup RAM to help effectively protect important data while the system shuts down. The DASP-52064 is also fitted with one programmable timer interrupt and I/O interrupt.

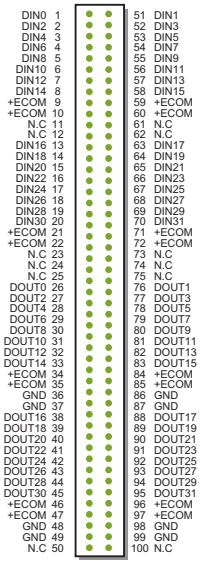
On-board Battery Backup RAM

The design, on-board battery backup RAM, supports a storage unit that data can remain stored safely without the risk of losing it, and assures data security while the PC shuts down or loses power. While working on it, users can save important data or key parameters in advance or constantly update and save output values in RAM that lets users always obtain the latest figures, or furthermore, save multiple data.

Applications

- Switch status sensing
- Digital I/O Control
- Semi-conductor machinery
- PC-based industrial machinery
- External relay driving
- Programmable I/O logic control
- Isolated digital input sensing
- Process status monitoring
- Test automation
- Industrial ON/OFF control
- Laboratory automation

Pin Assignment



Ordering Information

PCI Bus Board	
DASP-52064	Isolated 32 D/I & 32 D/O card
DASP-52064L	DASP-52064 without 2K battery backup RAM on board
Terminal Board	
TB-88200	100-pin SCSI-II pin type female terminal board
Cable	
CB-89200-2	100-pin SCSI-II pin type male/2M cable
CB-89200-5	100-pin SCSI-II pin type male/5M cable