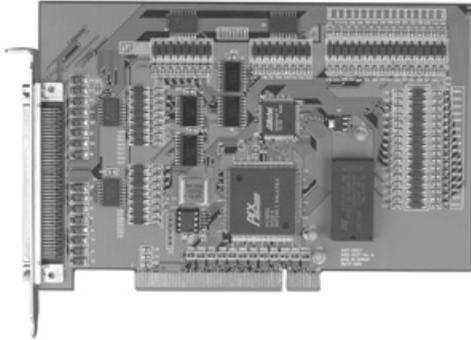


DASP-52064/52064L

Isolated 32 D/I & 32 D/O Card

1

Industrial Automation



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

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

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

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

DIN0 1	●	51 DIN1
DIN2 2	●	52 DIN3
DIN4 3	●	53 DIN5
DIN6 4	●	54 DIN7
DIN8 5	●	55 DIN9
DIN10 6	●	56 DIN11
DIN12 7	●	57 DIN13
DIN14 8	●	58 DIN15
+ECOM 9	●	59 +ECOM
+ECOM 10	●	60 +ECOM
N.C 11	●	61 N.C
N.C 12	●	62 N.C
DIN16 13	●	63 DIN17
DIN18 14	●	64 DIN19
DIN20 15	●	65 DIN21
DIN22 16	●	66 DIN23
DIN24 17	●	67 DIN25
DIN26 18	●	68 DIN27
DIN28 19	●	69 DIN29
DIN30 20	●	70 DIN31
+ECOM 21	●	71 +ECOM
+ECOM 22	●	72 +ECOM
N.C 23	●	73 N.C
N.C 24	●	74 N.C
N.C 25	●	75 N.C
DOUT0 26	●	76 DOUT1
DOUT2 27	●	77 DOUT3
DOUT4 28	●	78 DOUT5
DOUT6 29	●	79 DOUT7
DOUT8 30	●	80 DOUT9
DOUT10 31	●	81 DOUT11
DOUT12 32	●	82 DOUT13
DOUT14 33	●	83 DOUT15
+ECOM 34	●	84 +ECOM
+ECOM 35	●	85 +ECOM
GND 36	●	86 GND
GND 37	●	87 GND
DOUT16 38	●	88 DOUT17
DOUT18 39	●	89 DOUT19
DOUT20 40	●	90 DOUT21
DOUT22 41	●	91 DOUT23
DOUT24 42	●	92 DOUT25
DOUT26 43	●	93 DOUT27
DOUT28 44	●	94 DOUT29
DOUT30 45	●	95 DOUT31
+ECOM 46	●	96 +ECOM
+ECOM 47	●	97 +ECOM
GND 48	●	98 GND
GND 49	●	99 GND
N.C 50	●	100 N.C