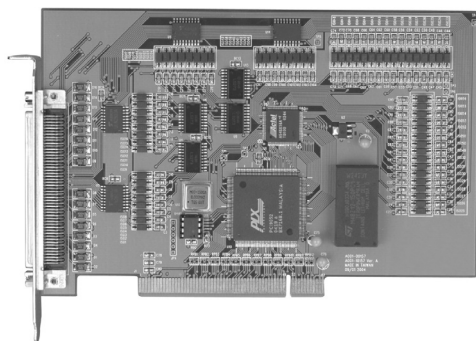


DASP-52064/52064L

Isolated 32 D/I & 32 D/O Card



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

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	DIN5
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



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