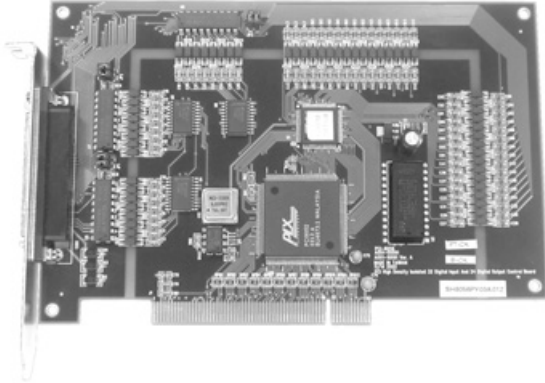


DASP-52056/52056L

Isolated 32 D/I & 24 D/O Card



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	20 μ s
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	24
Output type	sink (open collector)
Optical isolation	2500V _{dc}
Output voltage	10 ~ 40 V _{dc}
Opto-isolator response time	20 μ s
Sink current	100 mA max./channel
Battery Backup RAM (DASP-52056 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	68-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

Features

- ▶ 32 isolated digital inputs for source type
- ▶ 32 interrupt input I/O (digital input)
- ▶ 24 isolated digital outputs for sink type
- ▶ 2K battery backup RAM for backup nonvolatile data (only for DASP-52056)
- ▶ 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-52056 is a PCI-bus, 32 isolated D/I and 24 isolated D/O card. It offers 2K bytes on-board battery backup RAM to solve users' problem that they used not to effectively protect important data while the system shuts down. The DASP-52056 is also fitted with one programmable timer interrupt and an 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.

Ordering Information

DASP-52056	High density isolated 32 D/I & 24 D/O card
DASP-52056L	DASP-52056 without 2K battery backup RAM on board
Terminal Board	
TB-88268	68-pin SCSI-II pin type female terminal board
Cable	
CB-89268-2	68-pin SCSI-II pin type male/2M cable
CB-89268-5	68-pin SCSI-II pin type male/5M cable

Pin Assignment

ICOM+ 1	●●●●	35	ICOM+
ICOM+ 2	●●●●	36	ICOM+
ICOM+ 3	●●●●	37	ICOM+
DOUT0 4	●●●●	38	DOUT1
DOUT2 5	●●●●	39	DOUT3
DOUT4 6	●●●●	40	DOUT5
DOUT6 7	●●●●	41	DOUT7
DOUT8 8	●●●●	42	DOUT9
DOUT10 9	●●●●	43	DOUT11
DOUT12 10	●●●●	44	DOUT13
DOUT14 11	●●●●	45	DOUT15
DOUT16 12	●●●●	46	DOUT17
DOUT18 13	●●●●	47	DOUT19
DOUT20 14	●●●●	48	DOUT21
DOUT22 15	●●●●	49	DOUT23
DI0 16	●●●●	50	DI1
DI2 17	●●●●	51	DI3
DI4 18	●●●●	52	DI5
DI6 19	●●●●	53	DI7
DI8 20	●●●●	54	DI9
DI10 21	●●●●	55	DI11
DI12 22	●●●●	56	DI13
DI14 23	●●●●	57	DI15
DI16 24	●●●●	58	DI17
DI18 25	●●●●	59	DI19
DI20 26	●●●●	60	DI21
DI22 27	●●●●	61	DI23
DI24 28	●●●●	62	DI25
DI26 29	●●●●	63	DI27
DI28 30	●●●●	64	DI29
DI30 31	●●●●	65	DI31
GND 32	●●●●	66	GND
GND 33	●●●●	67	GND
GND 34	●●●●	68	GND