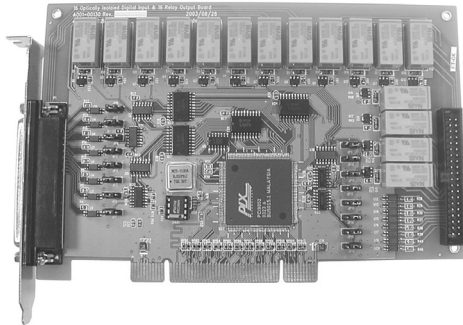


# DASP-52032

16 Isolated DI and 16 Relay Output Card



Industrial Automation



New Generation  
DA&C Cards

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## Specifications

Isolated Digital Input	
Channels	16
Optical isolated	2500V <sub>DC</sub>
Photo-coupler	PC-3H4
Photo-isolator response time	20μs
Over-voltage protect	50V <sub>DC</sub>
Input voltage	VIH (max.): 36V <sub>DC</sub> VIH (min.): 4V <sub>DC</sub> VIL (max.): 3V <sub>DC</sub> AC 50Hz-3.5KHz
Input current	10 V <sub>DC</sub> 2.9mA (typical) 12 V <sub>DC</sub> 3.6mA (typical) 24 V <sub>DC</sub> 7.5mA (typical) 36 V <sub>DC</sub> 11.5mA (typical)
Relay Output	
Output channels	16
Relay type	8 SPDT & 8 SPST
Rating (resistive)	10 A @120 V <sub>AC</sub> , 6 A @ 250 V <sub>AC</sub> , 5 A @ 30 V <sub>DC</sub>
Relay on/off time	10ms typical
Max. switching power	62.5VA ,60W
Max. switching voltage	250V <sub>AC</sub> ,220V <sub>DC</sub>
Breakdown voltage	750 Vrms (1 sec)
Operate time	5ms
Release time	4ms
Life expectancy	10,000,000 operations
General Environment	
I/O connector	2 sets 37-pin D-Sub type female
Power consumption	+5 V @ 250 mA (typical) +5 V @ 800 mA (max.)
Operation temperature	0 ~ 60°C
Storage temperature	-20 ~ 70°C
Humidity	0 to 90% non-condensing
Dimensions	185mm x 122mm

## Features

- ▶ 16 optically isolated digital input channels
- ▶ 8 SPDT & 8 SPST relay output channels
- ▶ On board relay status LED indicator
- ▶ AC/DC polarity-free isolated input
- ▶ Output status read-back
- ▶ Optical isolation on input channels (2500V<sub>DC</sub>) and high over-voltage protection (50V<sub>DC</sub>)
- ▶ Serial number on EEPROM supported
- ▶ Windows® 98/NT/2000/XP and Labview 6.0/7.0 driver supported
- ▶ Complete sample program- VB, VC, BCB, Delphi

## Ordering Information

DASP-52032	16 isolated DI and 16 relay output board
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

## Pin Assignment

D-Sub 37-pin Connector  
for DASP-52032 CON1

NO_0	1		20	NO_3
COM_0	2		21	COM_3
NC_0	3		22	NC_3
NO_1	4		23	NO_4
COM_1	5		24	COM_4
NC_1	6		25	NO_5
NO_2	7		26	COM_5
COM_2	8		27	NO_6
NC_2	9		28	COM_6
NO_7	10		29	GND
COM_7	11		30	DIL_0
DIH_0	12		31	DIL_1
DIH_1	13		32	DIL_2
DIH_2	14		33	DIL_3
DIH_3	15		34	DIL_4
DIH_4	16		35	DIL_5
DIH_5	17		36	DIL_6
DIH_6	18		37	DIL_7
DIH_7	19			

D-Sub 37-pin Connector  
for DASP-52032 CON2

NO_8	1		20	NO_11
COM_8	2		21	COM_11
NC_8	3		22	NC_11
NO_9	4		23	NO_12
COM_9	5		24	COM_12
NC_9	6		25	NO_13
NO_10	7		26	COM_13
COM_10	8		27	NO_14
NC_10	9		28	COM_14
NO_15	10		29	GND
COM_15	11		30	DIL_0
DIH_8	12		31	DIL_8
DIH_9	13		32	DIL_10
DIH_10	14		33	DIL_11
DIH_11	15		34	DIL_12
DIH_12	16		35	DIL_13
DIH_13	17		36	DIL_14
DIH_14	18		37	DIL_15
DIH_15	19			