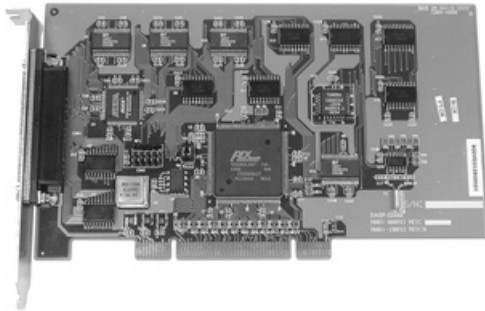


# DASP-52048

48-Channel DI/O and 1 Timer/Counter Card

1

Industrial Automation



## Specifications

Digital Input	
Type	TTL level
Input voltage	High level: 2.0V to 5.2V Low level: -0.5V to 0.8V
Load current	-0.45mA to +70mA
Digital Output	
Type	TTL level
Sink current	0.4V@+64mA (Logic level 0)
Source current	2.4V@-15mA (Logic level 1)
Timer/Counter	
Frequency	0 ~ 10 MHz
Operation mode	One 16-bit event counter One 32-bit programmable timer
Interrupt Input	
Number	2 interrupt source
Operation mode	software programmable
General Environment	
I/O connector	68-pin SCSI-II pin type female
Power consumption	+5V @ 900mA (max.)
Operating temperature	0 ~ 60°C
Storage temperature	-20 ~ 70°C
Humidity	0 ~ 90% non-condensing
Dimensions	185mm x 122 mm

## Ordering Information

DASP-52048	48-channel DI/O and 1 timer/counter card
Daughter Board	
DB-87822	16-channel isolated D/I board
DB-87825	16-channel relay output board
Wiring Terminal Board	
TB-88268	68-pin SCSI-II pin type wiring terminal board for DIN-rail Mounting
TB-88320	20-pin header box male wiring terminal board for DIN-rail Mounting
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
CB-89468-2	68-pin SCSI-II (CENTRNIC) to 3-20 flat 2M cable
CB-89468-5	68-pin SCSI-II (CENTRNIC) to 3-20 flat 5M cable

## Features

- ▶ 48 digital I/O lines
- ▶ Higher driving capability than 8255
- ▶ Output read back status
- ▶ One 16-bit programmable event counter
- ▶ One 32-bit programmable timer
- ▶ Software programmable interrupt handling
- ▶ Software programmable clock source
- ▶ Windows® 98/NT/2000/XP and Labview 6.0/7.0 driver supported
- ▶ Complete sample program- VB, VC, BCB, Delphi
- ▶ PCI Scan utility supported

## Introduction

The DASP-52048 is a PCI-bus, 48 TTL digital I/O and one timer/counter card. The DASP-52048 has a higher output current driving capability, allowing it to drive relay or LED elements. The DASP-52048 consists of six 8-bit bi-directional ports and two input lines for interrupt function, with each port allowing users to configure it as inputs or outputs.

### Board Identification- Serial Number on EEPROM

The DASP stores the serial number of each DASP in the EEPROM before shipping. The PCI scan utility can scan all the DASP and show users the serial number of each DASP, helping the user to easily identify and access each card during hardware configuration and software programming.

## Applications

- Digital I/O control
- Process I/O monitoring
- Alarm monitoring
- Product test
- Test automation
- Laboratory automation

## Pin Assignment

Ch0 PA D0	1	●	●	35	Ch0 PB D0
Ch0 PA D1	2	●	●	36	Ch0 PB D1
Ch0 PA D2	3	●	●	37	Ch0 PB D2
Ch0 PA D3	4	●	●	38	Ch0 PB D3
Ch0 PA D4	5	●	●	39	Ch0 PB D4
Ch0 PA D5	6	●	●	40	Ch0 PB D5
Ch0 PA D6	7	●	●	41	Ch0 PB D6
Ch0 PA D7	8	●	●	42	Ch0 PB D7
GND	9	●	●	43	GND
+5V	10	●	●	44	+5V
Ch0 PC D0	11	●	●	45	Ch1 PC D0
Ch0 PC D1	12	●	●	46	Ch1 PC D1
Ch0 PC D2	13	●	●	47	Ch1 PC D2
Ch0 PC D3	14	●	●	48	Ch1 PC D3
Ch0 PC D4	15	●	●	49	Ch1 PC D4
Ch0 PC D5	16	●	●	50	Ch1 PC D5
Ch0 PC D6	17	●	●	51	Ch1 PC D6
Ch0 PC D7	18	●	●	52	Ch1 PC D7
GND	19	●	●	53	GND
+5V	20	●	●	54	+5V
Ch1 PA D0	21	●	●	55	Ch1 PB D0
Ch1 PA D1	22	●	●	56	Ch1 PB D1
Ch1 PA D2	23	●	●	57	Ch1 PB D2
Ch1 PA D3	24	●	●	58	Ch1 PB D3
Ch1 PA D4	25	●	●	59	Ch1 PB D4
Ch1 PA D5	26	●	●	60	Ch1 PB D5
Ch1 PA D6	27	●	●	61	Ch1 PB D6
Ch1 PA D7	28	●	●	62	Ch1 PB D7
GND	29	●	●	63	GND
+5V	30	●	●	64	+5V
OSC 4M Hz	31	●	●	65	PCB_CLK
82c54 Out0	32	●	●	66	82c54 Out2
GND	33	●	●	67	GND
+5V	34	●	●	68	+12V