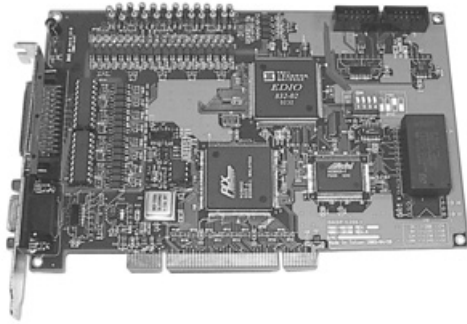


DASP-52063/52063L

High Density, Isolated Remote 384 DI/O & Local DI/O Card



Specifications

Local Digital Input	
Local input channels	24
Remote input channels	up to 192 remote digital input
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)
Local Digital Output	
Local output channels	16
Remote output channels	up to 192 digital output
Output type	sink (open collector)
Optical Isolation	2500V _{DC}
Output voltage	10 ~ 40V _{DC}
Opto-isolator response time	20 μ s
Sink current	100mA max./channel
Programmable Interval Timer	
Channel	1
Resolution	16-bit
Time base	2MHz
Range	0.5 μ s ~ 33ms
Battery Backup RAM (DASP-52063 only)	
Range of base address	P&P Memory Mapped
Size	2K Bytes
General Environment	
Local I/O connector	50-pin SCSI-II pin type female
Remote I/O connector	20-pin Header box male
Power consumption	+5 V @ 350mA (typical) +5 V @ 600mA (max.)
Operation temperature	0 ~ 60°C
Storage temperature	-20 ~ 70°C
Relative humidity	0 to 90% non-condensing
Dimensions	185mm x 122mm

Features

- ▶ 40 local, isolated, fast response, digital I/O
- ▶ Control up to 384 isolated remote I/O via serial communications
- ▶ 2K bytes battery backup RAM
- ▶ One programmable timer and interrupt
- ▶ Watchdog timer
- ▶ High speed counter
- ▶ Programmable interrupt I/O
- ▶ Supports Windows® 98/NT/2000/XP, Labview 6.0/7.0 driver
- ▶ Supports VB, VC, BCB, Delphi sample program

Introduction

The DASP-52063 is an all new concept high-density, PCI-bus DI/O card. It supports not only isolated 40 local DI/O, but extends up to 384 remote DI/O by using serial communications in a control system. In addition, the DASP-52063 also offers 2K bytes on-board battery backup RAM to help effectively protect important data while the system shuts down. The DASP-52063 is a higher density DI/O, full isolation and free-running DA&C card.

Support Remote DI/O up to 384 Channels

The Remote DIO card can be connected to one to three 128-channel DIO cards by using serial communications without occupying the PCI slot. It helps users save costs, and is particularly suitable for high density I/O and limited PCI slot applications, such as CNC machines and milling machine.

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.

On-board Watchdog Timer

Users can set up time intervals for the timer. While the application programs within the time interval have not connected with DASP/DASA products, the DASP/DASA will be sending out a preset safety value to a devices linked to the DASP/DASA. This helps maintain a stable system.