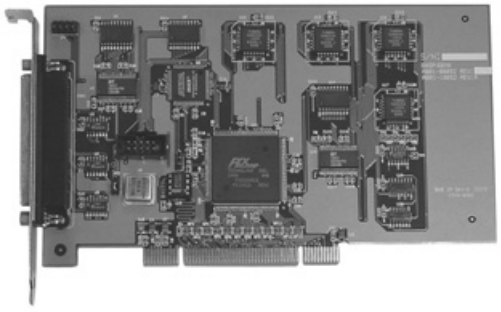
DASP-52010

10-Channel Counter/Timer Card



Features

- **8 independent 16-bit timer/counter**
- **2 cascade 32-bit timer/counter**
- **8 TTL level D/I & D/O**
- **Jumper selectable interrupt source**
- **Software selectable interrupt source**
- **4 interrupt source- 2 counter & 2 D/I**
- **2 on-board internal clock source**
- **8 external clock source & 8 external gate control signal**
- **Windows® 98/NT/2000/XP and Labview 6.0/7.0 driver supported**
- **Complete sample program- VB, VC, BCB, Delphi**

Specifications

Digital Input	
Input channels	16 (clock/gate control)
Input type	TTL level
Input voltage	Low: -0.5 ~ 0.8V High: 2.0 ~ 5.2V
Interrupt source	COUT5, COUT7, COUT11, EXT_CLK9 / DI11
Load current	-0.45mA to +70mA
Digital Output	
Output channels	8
Sink Current	0.4V @ +64mA (logic level 0)
Source current	2.4V @ -15mA (logic level 1)
Timer/Counter	
Channels	8 16-bit independent & 2 32-bit cascaded
Type	TTL level
Programmable clock	0.5MHz, 1MHz, 2MHz, 4MHz
Programmable counter mode	12
Max. frequency	10 MHz
Time based	internal / external clock
General environment	
I/O connector type	37-pin D-sub female
Power consumption	+5V/500mA (typical), +5V/600mA (max.)
Operation temperature	0 ~ 60˚C
Storage temperature	-20 to 70˚C
Humidity	0 to 90% non-condensing
Dimensions	185mm x 122mm

Introduction

The DASP-52010 is a PCI-bus, eight 16-bit two cascaded 32-bit timer/counter card. It supports 16 general purpose digital I/O channels, making it suitable for frequency measurement, event counting, time-delay, and pulse generation applications.

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.

Easy to troubleshoot hardware resource- PCI Scan Utility
The PCI scan utility can scan all the DASP products within the system, and can show users all system resources, such as serial numbers, IRQ, and I/O addresses. This lets users clearly see through and immediately know whether all DASPs are working normally, decreasing the time of searching confirmation.

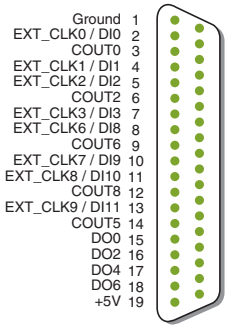
Applications

- Digital I/O control
- Real time clock
- Process event counting
- Pulse generation
- Time-delay generation
- Test automation
- PWM output
- Square wave output
- Pulse width measurement

Ordering Information

DASP-52010	10-channel timer/counter card
Terminal Board	
TB-88037	37-pin D-sub female terminal board
Cable	
CB-89037-2	37-pin D-sub male to male/2M cable
CB-89037-5	37-pin D-sub male to male/5M cable

Pin Assignment



* All the specifications and photos are subjected to be changed without notice.