DIO3206

48-Channel TTL Digital I/O Card

Features

- 48 (6 port) TTL input/ output
- Software debounce : No debounce, 100Hz, 200Hz, 1KHz
- No output transition during start up
- Output status read back
- External triggered interrupt (IN07~IN00)
- 32-bit timer with time up interrupt

Introduction

The DIO3206 card is a 6ports (48-bit) TTL DIGITAL I/O card for the PCI bus. All the I/O's provide good noise immunity. It can be used in industrial automation and lab automation applications.

Bit manipulation and output status read back function make this card very easy to program.

Dll is provided for WinXP, Win7 and later or LINUX platform and sample programs come with C / VB source code.

Pin Assignments

CN1

GND	60	59	GND
IO57	58	57	IO56
IO55	56	55	IO54
IO53	54	53	IO52
IO51	52	51	IO50
GND	50	49	GND
IO47	48	47	IO46
IO45	46	45	IO44
IO43	44	43	IO42
IO41	42	41	IO40
GND	40	39	GND
IO37	38	37	IO36
IO35	36	35	IO34
IO33	34	33	IO32
IO31	32	31	IO30
GND	30	29	GND
IO27	28	27	IO26
IO25	26	25	IO24
IO23	24	23	IO22
IO21	22	21	IO20
GND	20	19	GND
IO17	18	17	IO16
IO15	16	15	IO14
IO13	14	13	IO12
IO11	12	11	IO10
GND	10	9	GND
IO07	8	7	IO06
IO05	6	5	IO04
IO03	4	3	IO02
IO01	2	1	IO00

Specifications (With Matched Wiring Board)

Input Section

- Input : 48(max) TTL digital input
- Input logic low voltage (V_{IL}) : 1.35Vdc(max)
- Input logic high voltage (V_{IH}) : 3.15Vdc (min)

Digital Output

- Output : 48(max) TTL digital output
- Output rating : 12ma(peak) per channel

Timer

- Length : 32 bit @1us
- Interrupt : time up interrupt

Main Card General

- Card ID : 4-bit
- Connector : 60-pin male flat-cable connector
- Operation Temperature : 0 °C ~ +70 °C
- Storage Temperature : -20 °C ~ +80 °C
- Operation Humidity : 5~95% RH, non-condensing
- Dimensions : 130(W)*102(H)mm, 5.2(W)*4.1(H)in

Applications

- Industrial ON/OFF control
- Contact closure monitoring
- Switch status sensing
- Digital I/O control
- Industrial and lab automation

Ordering Information

- **DIO3206 :** 48-channel TTL Digital I/O Card
- **JS51060 :** DIN rail mounted dummy wiring board I.12
- **M23223 :** 60 pin flat cable 1.5M for CN1
- **M23224 :** 60 pin flat cable 3.0M for CN1

Software Support

PC OS Support

WinXP, Win7 and later or Linux O.S.
Embedded XP, Win CE (at request)

Library

DLLs, VI library

Develop Software

Visual C++, Visual Basic,
Borland C/C++ Builder, LabVIEW etc

Example Source Code

Visual Basic