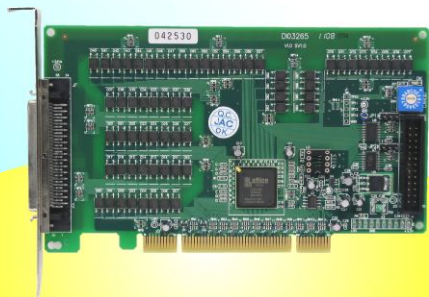


Bridging the Gap between Real World and Computer

DIO3265



64-Channel Digital I/O Card (64 Photo-Coupler Isolated DO)

Features

- ▶ 64 isolated digital output
- ▶ High voltage isolation on all isolated channels (2500V)
- ▶ DIN rail Relay wiring board
- ▶ No output transition during start up
- ▶ 2 byte configurable TTL I/O
- ▶ TTL output can be high or low at power up
- ▶ TTL input debounce : No debounce, 100Hz, 200Hz, 1KHz
- ▶ 32-bit timer with time up interrupt

Introduction

The DIO3265 card offers 64 isolated digital output channels and 2 TTL I/O port for the PCI bus. It can be used in industrial automation and lab automation applications.

A 32-bit 1us time base timer and bit manipulation function highlight the card functions. 16 identical cards with different ID can be hooked on PCI-bus.

DLL is provided for WinXP, Win7 and later or LINUX platform and sample programs

Specifications (With Matched Wiring Board)

Output Section

- ▶ Output channel : 64 isolated digital output
- ▶ Output rating : 3A @250Vac, 30Vdc (Relay wiring board)

TTL IO

- ▶ Port : 2
- ▶ Direction : software programmable on port base
- ▶ Software debounce : No debounce, up to 8MHz

Timer

- ▶ Timer length : 32-bit @1us
- ▶ Interrupt : time up interrupt

Main Card General

- ▶ Card ID : 4-bit
- ▶ Insulation Resistance : 100M Ohm(min) at 1000Vdc
- ▶ Isolation Voltage : 2500Vac 1Min
- ▶ Connector : One 68-pin SCSI-II female connector
- ▶ Operation Temperature : 0 °C ~ +70 °C
- ▶ Storage Temperature : -20 °C ~ +80 °C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimensions : 160(W)*95(H)mm, 6.3(W)*3.8(H)in

Ordering Information

- ▶ **DIO3265** : 64-Channel Digital I/O Card 64 Photo-Coupler Isolated DO
- ▶ **ADP3265DIN(R)** : DIN rail mounted wiring board for 64 Relay output (Each contact isolated from others) P.86
- ▶ **M266868150** : 68-pin SCSI-II cable 1.5 M for JF1 I.18
- ▶ **M266868300** : 68-pin SCSI-II cable 3.0 M for JF1 I.18
- ▶ **JS51050** : DIN rail mounted dummy wiring board (D type 25P male to terminals) for JM1 I.12
- ▶ **M270325X4** : D type 25P male-female cable 1.5M for JM1 I.17
- ▶ **M270325X4S** : D type 25P male-female cable 1.5M, shielding for JM1 I.17
- ▶ **M270325X0** : D type 25P male-female cable 3.0M for JM1 I.17
- ▶ **M270325X0S** : D type 25P male-female cable 3.0M, shielding for JM1 I.17
- ▶ **SM23404** : Extension kit for JM1 (bracket and flat cable for 25P female D type connector)

Pin Assignments

		JM1		JF1		
				+24Vin	68 34	+24Vin
				+24Vin	67 33	+24Vin
				OUT77	66 32	OUT76
				OUT75	65 31	OUT74
				OUT73	64 30	OUT72
				OUT71	63 29	OUT70
				OUT67	62 28	OUT66
				OUT65	61 27	OUT64
				OUT63	60 26	OUT62
				OUT61	59 25	OUT60
				OUT57	58 24	OUT56
				OUT55	57 23	OUT54
				OUT53	56 22	OUT52
				OUT51	55 21	OUT50
				OUT47	54 20	OUT46
				OUT45	53 19	OUT44
				OUT43	52 18	OUT42
				OUT41	51 17	OUT40
				OUT37	50 16	OUT36
				OUT35	49 15	OUT34
				OUT33	48 14	OUT32
				OUT31	47 13	OUT30
				OUT27	46 12	OUT26
				OUT25	45 11	OUT24
				OUT23	44 10	OUT22
				OUT21	43 9	OUT20
				OUT17	42 8	OUT16
				OUT15	41 7	OUT14
				OUT13	40 6	OUT12
				OUT11	39 5	OUT10
				OUT07	38 4	OUT06
				OUT05	37 3	OUT04
				OUT03	36 2	OUT02
				OUT01	35 1	OUT00

Applications

- ▶ Multiplex switch
- ▶ General digital output
- ▶ As output of software PLC

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