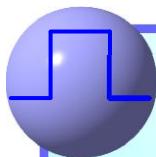




# Bridging the Gap between Real World and Computer



## 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.

#### 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

#### Pin Assignments

CN1		
GND	<b>60 59</b>	GND
IO57	<b>58 57</b>	IO56
IO55	<b>56 55</b>	IO54
IO53	<b>54 53</b>	IO52
IO51	<b>52 51</b>	IO50
GND	<b>50 49</b>	GND
IO47	<b>48 47</b>	IO46
IO45	<b>46 45</b>	IO44
IO43	<b>44 43</b>	IO42
IO41	<b>42 41</b>	IO40
GND	<b>40 39</b>	GND
IO37	<b>38 37</b>	IO36
IO35	<b>36 35</b>	IO34
IO33	<b>34 33</b>	IO32
IO31	<b>32 31</b>	IO30
GND	<b>30 29</b>	GND
IO27	<b>28 27</b>	IO26
IO25	<b>26 25</b>	IO24
IO23	<b>24 23</b>	IO22
IO21	<b>22 21</b>	IO20
GND	<b>20 19</b>	GND
IO17	<b>18 17</b>	IO16
IO15	<b>16 15</b>	IO14
IO13	<b>14 13</b>	IO12
IO11	<b>12 11</b>	IO10
GND	<b>10 9</b>	GND
IO07	<b>8 7</b>	IO06
IO05	<b>6 5</b>	IO04
IO03	<b>4 3</b>	IO02
IO01	<b>2 1</b>	IO00

#### 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

#### 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