

# PCI-192DIO(B)

PCI-192DIO(B) emulates eight 8255 PPI mode 0; 192-channel TTL digital I/O port; six independent 16-bit programmable timer/counter; 6-channel PWM output; multiple interrupt function ensures quick-response of system



## Specifications and Features

### Digital I/O Channel

Channel: 192-channel (please refer to the multiplexing description table for some connectors)

Compatibility: Compatible with TTL

Input Signal:  $V_{IH(MIN)}=2.0V$ ,  $V_{IL(MAX)}=0.8V$

Output Signal:  $V_{OH(MIN)}=4.5V @12mA$ ,  $V_{OL(MAX)}=0.55V$

Interrupt Function: External event trigger, mode match, status change

### PWM Output:

Channel: 6-channel

Resolution: Step Length =  $1\mu s$ , error= $\pm 10ns$

### Programmable Timer/Counter Function

Channel: Independent 6-channel

Bit: 16-bit

Counter Type: Count-down

Clock Input Method: Internal input or external input

Max. Input Frequency: 20MHz

Compatibility: Compatible with TTL

### Step Length = 1ms, Error= $\pm 10ns$

High Level Cycle: (1~65535) x step length

Low Level Cycle: (1~65535) x step length

## General Specifications

I/O Port Type: Onboard SCSI-200 input/output connector, which can realize 192-channel I/O isolation input and output via matching terminal board

External Dimensions (L x H): 175mm x 106mm

4-bit Board ID setup function

Power Consumption: Typical: +5V @600mA; Max: +5V @2.3A

Operating Temperature:  $0^{\circ}C \sim +60^{\circ}C$

Storage Temperature:  $-20^{\circ}C \sim +70^{\circ}C$

Relative Humidity: 5%~85% RH, non-condensing

Storage: 5%~95%, non-condensing

## Ordering Information

| Part Number | Model Number  | Description                                    |
|-------------|---------------|--|
| Coming soon | PCI-192DIO(B) | 192-channel TTL, PCI data I/O acquisition card |
| 0060-003530 | PCLD-8750     | SCSI-100 port industrial terminal board        |