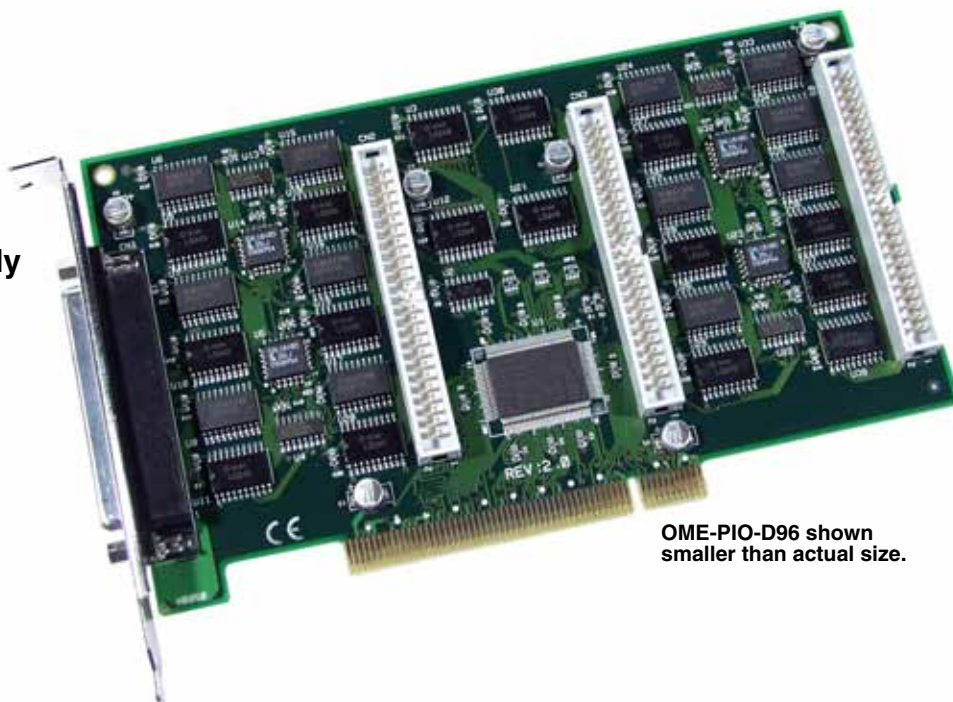


# 96-Bit DIO Board for PCI Bus Computers

OME-PIO-D96



- ✓ 96 Digital I/O Channels Buffered on the Board
- ✓ 8-Bit Groups Independently Selectable for I/O on Each 24-Bit Port
- ✓ Programmable I/O Ports Under Software Control
- ✓ Connects Directly to OME-DB-24 Series
- ✓ 4 Interrupt Sources: P2C0, P5C0, P8C0, P11C0
- ✓ One D-Sub Connector, 3 50-Pin Flat Cable Connectors
- ✓ Automatically Detected by Windows XP/Vista/7
- ✓ No Base Address or IRQ Switches to Set



OME-PIO-D96 shown smaller than actual size.

The OME-PIO-D96 provides 96 TTL digital I/O lines. The OME-PIO-D96 consists of twelve 8-bit bi-directional ports. The 8-bit ports are named port A (PA), port B (PB), and port C (PC). All ports are configured as inputs upon power-up or reset. The OME-PIO-D96 has one D-Sub connector and three 50-pin flat cable connectors. Each connector provides access to 24 channels of digital I/O.

Each header can connect to a 50-pin flat cable. The flat cable can be connected to OME-ADP-37/PCI or OME-ADP-50/PCI adapter which can be fixed on the computer chassis. The OME-PIO-D96 can be installed in a 5V PCI bus and supports true "Plug & Play".

## Software Development Kit

All boards are supplied with a standard software development kit for Windows XP/VISTA/7. The software development kit includes dll files for programming in C, C++ or other high level languages and OCX files for Visual Basic or Active X programming. LabView drivers are also included.

## Specifications

**ALL INPUTS AND OUTPUTS ARE TTL-COMPATIBLE**

**Logic High Voltage:** 2.4V (min)

**Logic Low Voltage:** 0.8V (max)

**Sink Current:** 64 mA (max)

**Source Current:** 32 mA (max)

**4 Interrupt Sources:**

CON1, PORT 2, PC0,

CON 2, PORT 5, PC0,

CON 3, PORT 8, PC0,

CON 4, PORT 11, PC0

**Operating Temperature:**

0 to 60°C (32 to 140°F)

**Storage Temperature:**

-20 to 80°C (-4 to 176°F)

**Humidity:** 0 to 90% RH

non-condensing

**Dimensions:** 105 H x 180 mm W

(4.1 x 7.1")

**Power Consumption:** +5V @ 1100 mA

## To Order

Model No.	Description
OME-PIO-D96	PCI bus 96-bit DIO board
OME-DB-24PD	24-channel isolated D/I board with 37-pin D-Sub connector
OME-DB-24RD/12	24-channel relay board (12V) with 37-pin D-Sub connector
OME-DB-24PRD/12	24-channel power relay board (12V) with 37-pin D-Sub connector
OME-DB-24POR	24-channel photo mos relay output board with 1.5 m (5') 50-pin flat cable
OME-DB-24SSR	24-channel solid state relay output board with 1.5 m (5') 50-pin flat cable
OME-DB-24C	24-channel open-collector output board with 1.5 m (5') 50-pin flat cable
OME-ADP-37/PCI	50-pin extender to OME-DB-37 (PCI bus)
OME-ADP-50/PCI	50-pin extender (PCI bus)