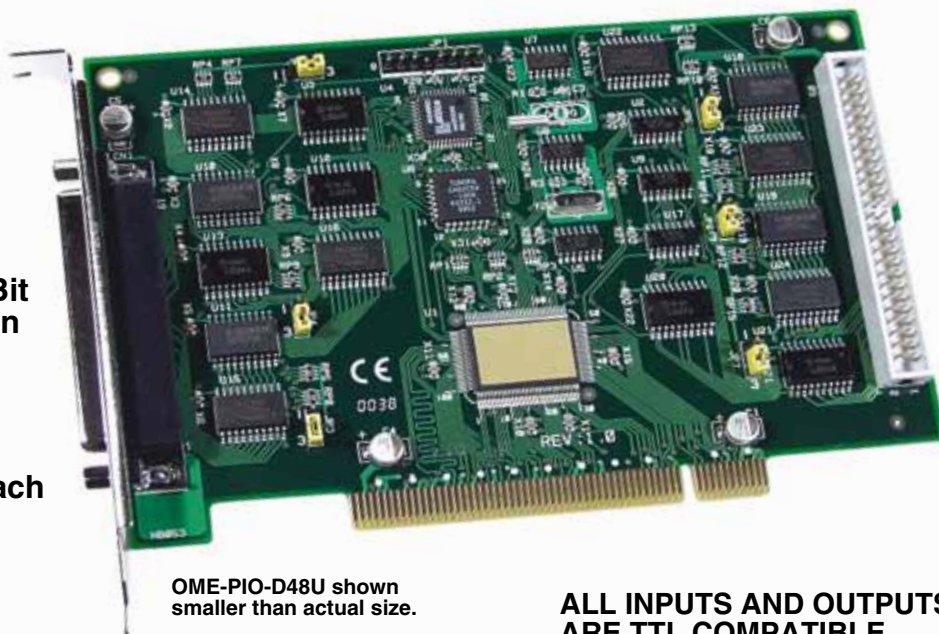


48-Bit DIO Boards with Counter/Timer for PCI Bus and PCI Express Bus

OME-PIO-D48U/
OME-PEX-D48



- ✓ 48 Digital I/O Channels Buffered on the Board
- ✓ Two Bi-Directional 24-Bit Ports (One D-Sub 37-pin Connector, One 50-pin Flat Connector)
- ✓ Eight-Bit Groups Independently Selectable for I/O on each 24-Bit Port
- ✓ Connects Directly to OME-DB-24P Daughter Boards
- ✓ Emulates Two Industrial-Standard 8255 Mode 0
- ✓ One 32-Bit Programmable Internal Timer
- ✓ One 16-Bit Event Counter
- ✓ Interrupt Source: 4 Channels
- ✓ Pull-Up or Pull-Down Resistors on I/O Lines
- ✓ High Output Driving Capability



OME-PIO-D48U shown smaller than actual size.

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. The OME-PEX-D48 can be installed in a PCI Express x 1 bus.

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)
Power: +5V @ 900 mA

ENVIRONMENTAL

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 156 mm W (4.1 x 6.1")

The OME-PIO-D48U and OME-PEX-D48 provide 48 TTL digital I/O lines and consists of six 8-bit bi-directional ports. The OME-PIO-D48U has one 24-bit digital I/O port that is accessed via the 37-pin D-Sub connector and a second 24-bit digital I/O port that is accessed via the 50-pin flat cable connector. The 8-bit ports on each connector are named port A (PA), port B (PB) and port C (PC).

All ports are configured as inputs upon power-up or reset. The 50-pin header can be connected 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-D48U can be installed in a 3.3 V or 5 V PCI bus and supports true "Plug & Play". The OME-PEX-D48 can be installed in a PCI Express x 1 bus.

Specifications

PCI BUS TYPE:

OME-PIO-D48U: 3.3V/5V universal

OME-PEX-D48: PCI Express x 1



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

To Order

Model No.	Description
OME-PIO-D48U	PCI bus 48-bit DIO board
OME-PEX-D48	PCI Express bus 48-bit DIO board
OME-DB-24P	24-channel isolated D/I board with 1.5 m (5') 50-pin flat cable
OME-DB-24PR/12	24-channel power relay board (12V)
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-DB-24R/12	24-channel relay board (12V)
OME-ADP-37/PCI	50-pin extender to OME-DB-37 (PCI bus)
OME-ADP-50/PCI	50-pin extender (PCI bus)

Comes complete with utility software and user's manual on CD-ROM.

Ordering Example: OME-PIO-D48U PCI bus 48-bit DIO board and OCW-1, OMEGACARESM 1 year extended warranty for OME-PIO-D48U extends standard 1-year warranty to a total of 2 years.