

USB to Digital I/O Interface

OMG-USB-DIO



\$319
Basic Unit



- ✓ Models with 48 and 96 Channels of Buffered Digital I/O
- ✓ 8255 Compatible
- ✓ 10K Pull Up Resistors On Each Port Bit
- ✓ True Hot Swapping/ Auto Configuration
- ✓ Includes Drivers and Utility software for 98/ME/NT/2000/XP

OMG-USB-DIO48, \$329, shown smaller than actual size



The OMG-USB-DIO Series contains 48 or 96 channels of buffered digital I/O emulating 8255s for industrial control applications. 10K pull up resistors are included on each port bit. The OMG-USB-DIO series contains 8 bit I/O ports configurable as inputs or outputs. This gives the user the ability to customize the combination of inputs or outputs as needed. In addition, the low order bit of the first port can be set to generate an interrupt for status monitoring applications. A special factory configurable interrupt feature allows the user to request conditional I/O combinations for interrupt generation. When the I/O combinations occurs, a hardware interrupt is triggered.

OMG-USB-DIO96 shown with one OMG-TB07 terminal block mounted on included snap track and one OMG-CA167 cable (up to four terminal blocks and cables can be used). Shown smaller than actual size.

One terminal panel is required for each I/O connector. An OMG-CA167 cable is also needed for each terminal panel.

The I/O connector is also compatible with industry standard relay racks. An OMG-CA135 cable can be used to connect each I/O connector to a relay rack.

Specifications

- Channels:** 48,96
- Operating Temperature:** 0 to 50°C (32 to 122°F)
- Storage Temperature:** -20 to 70°C (-4 to 158°F)
- Humidity Range:** 10 to 90% RH
- Output:** 64 mA(sink), 32 mA (source), TTL Level Logic
- Power:** From AC adapter
- Connectors:** (2 or 4) 50 Pin IDC
- Physical Dimensions:** 17.78 cm L x 13.34 cm W x 3.81 cm H (7.0 x 5.25 x 1.5")

Software

The OMG-USB-DIO Series includes drivers, utilities, and programming samples for Windows 98/ME/NT/2000/XP to aid in the development of reliable applications for the OMG-USB-DIO family of USB to digital I/O interfaces.

Connectors and Terminal Panels

All of the I/O signals are accessed through standard 50-pin connectors. The OMG-USB-DIO48 contains two connectors and the OMG-USB-DIO96 contains four connectors. OMEGA provides an optional OMG-TB07 terminal panel for wiring to the I/O connector.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model No.)

Model No.	Price	Description
OMG-USB-DIO48	\$319	48 channel digital I/O interface
OMG-USB-DIO96	359	96 channel digital I/O interface
OMG-TB07	40	50 pin terminal block(requires OMG-CA167), includes snap track for mounting
OMG-CA167	10	40 inch 50 pin IDC cable, connects the OMG-USB-DIO to OMB-TB07
OMG-CA135	20	40 inch 50 pin edge cable, connects the OMG-USB-DIO to industry standard solid state relay racks
OMG-DR102	10	DIN rail mounting kit for OMG-USB-DIO

All OMG-USB-DIO interfaces include utility software and a complete user's manual on CD-ROM.

Ordering Example: OMG-USB-DIO48, 48 channel digital I/O interface, two OMG-TB07 terminal panels and two OMG-CA167 cables, \$319 + 2(40) + 2(10) = \$419.

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

FRANCE

www.omega.fr

0800-466-342

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters