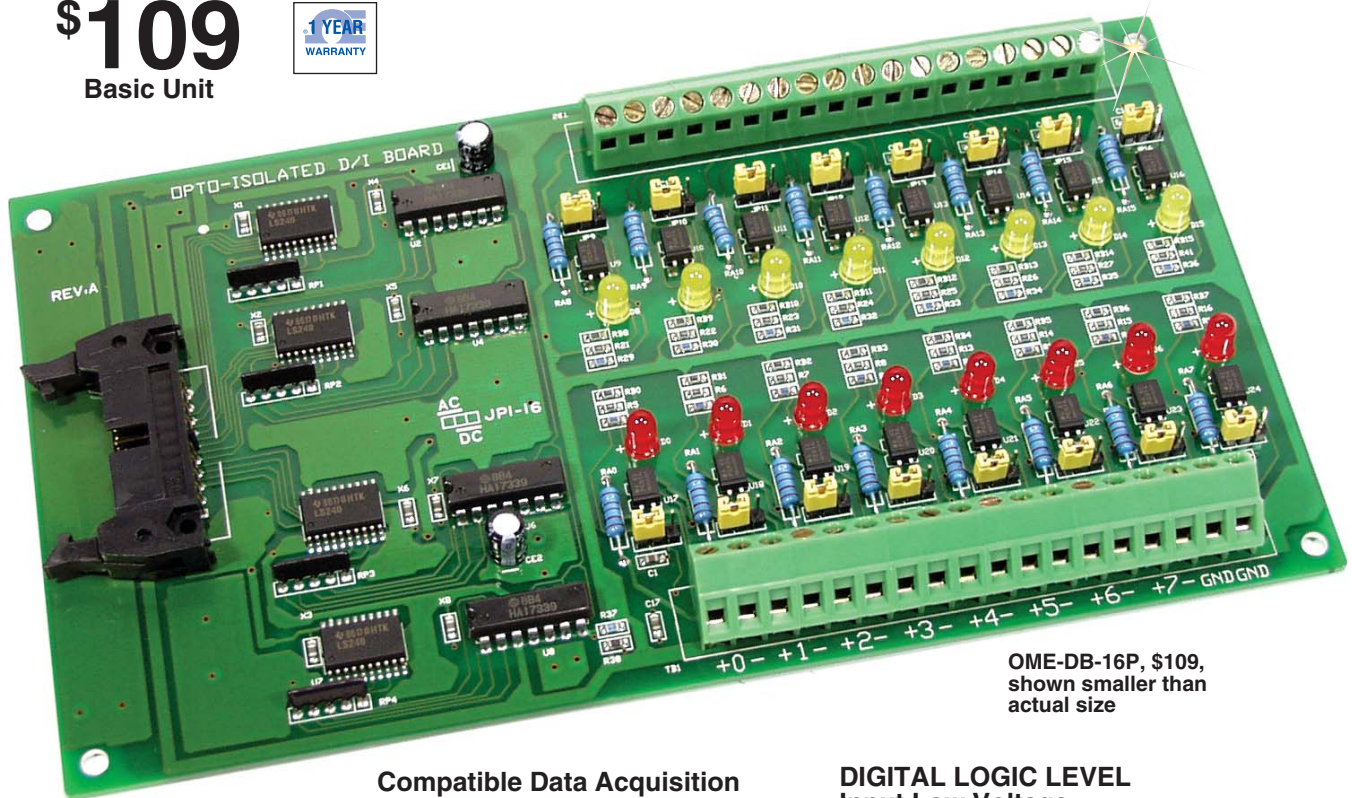


OME-DB-16P

16-Channel Isolated Digital Input Board

\$109

Basic Unit



OME-DB-16P, \$109, shown smaller than actual size

- ✓ 16 Optically Isolated Digital Input Channels
- ✓ AC/DC Signal Input
- ✓ AC Signal Input with Filter
- ✓ Input Buffer with Voltage Compactors

The OME-DB-16P is a 16 channel isolated digital input daughter board. The optically isolated inputs of the OME-DB-16P consist of a bi-directional OPTO-coupler with a resistor for current sensing. You can use the OME-DB-16P to sense DC signals from TTL levels up to 24V. You can also use OME-DB-16P to sense a wide range of AC signals. You can use the board to isolate the computer from large common-mode voltages, ground loops and voltage spikes that often occur in industrial environments.

Compatible Data Acquisition

Boards: OME-PCI-1802H, OME-PCI-1802L, OME-PCI-1800H, OME-PCI-1800L, OME-PCI-1602, OME-PCI-1602F, OME-PCI-1202H, OME-PCI-1202L, OME-PCI-1002H, OME-PCI-1002L

Specifications

I/O CONNECTOR ELECTRICAL SPECIFICATIONS

Configuration: 16 optically isolated digital input channels

Compatibility: TTL compatible

DIGITAL INPUT

Number of Channels: 16, each with its own ground reference isolated from other channels

Maximum Input Voltage: 24 Vdc or 24 Vac

DIGITAL LOGIC LEVEL

Input Low Voltage:

0 V(min); ±1V (max)

Input High Voltage:

±2.8 Vdc/4VRMS(min);

±24 Vdc/24 Vac (max)

Input Impedance: 1.2 KΩ

SOURCE CURRENT

5V Inputs: 4 mA/channel min

24V Inputs: 20 mA/channel min

Response Time: 20 ms without filter / 2.2 ms with filter

Power Supplies:

+5 V @ 224 mA max

Dimensions: 205 L x 114 mm H (8.1 x 4.5")

Operating Temperature:

0 to 60°C (32 to 140°F)

Storage Temperature:

-20 to 70°C (-4 to 158°F)

Humidity: 5 to 90% noncondensing

Power Consumption:

12 V @ 0.53 A; 5 V @ 0.2 A

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
OME-DB-16P	\$109	16-channel isolated digital input board, includes 1 m (3') cable

Ordering Example: OME-DB-16P 16-channel isolated digital input board, \$109.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, 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, Wire

• 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

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 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, Strain Gages, 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