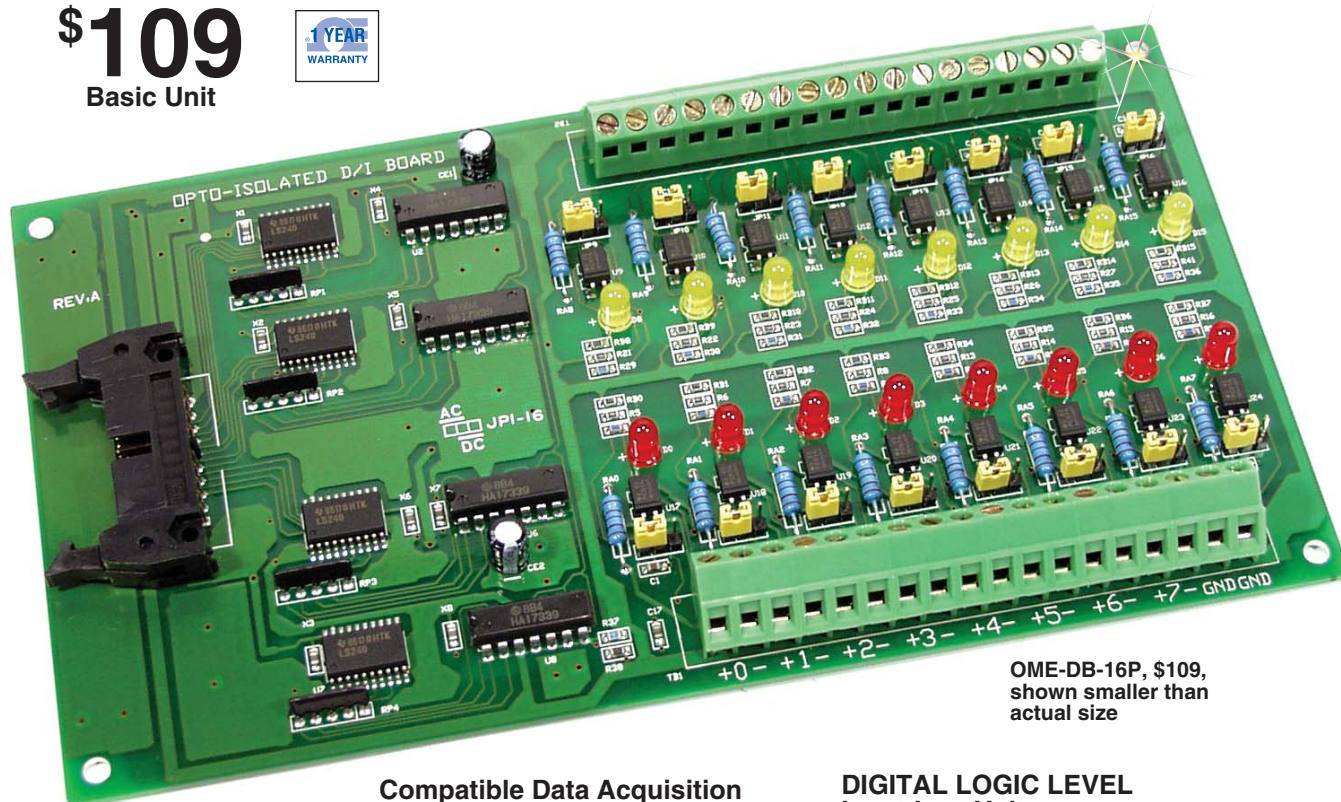


OME-DB-16P

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); ± 1 V (max)

Input High Voltage:

± 2.8 Vdc/4VRMS(min);

± 24 Vdc/24 Vac (max)

Input Impedance: 1.2 K Ω

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.