

24-Channel Open-Collector Output Board

OME-DB-24C



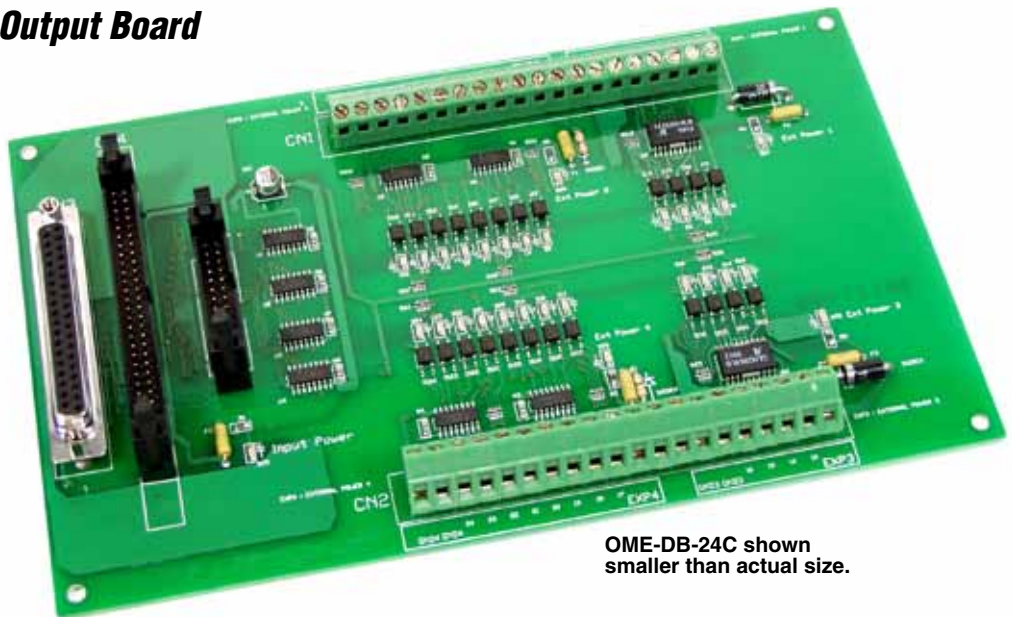
- ✓ 24 Open-Collector Outputs (NPN)
- ✓ One 50-Pin Connector, One 37-Pin D-Sub Connector and One 20-Pin Connector
- ✓ Maximum Load Voltage: 35 Vdc
- ✓ 3750 Vdc Optical Isolation
- ✓ LED Indicates Relay Status
- ✓ 8 High Current Outputs (600 mA)
- ✓ 16 Low Current Outputs (100 mA) Fuse Protected

The OME-DB-24C has 24 channels of optically isolated digital outputs, arranged into four isolated banks. Each digital output offers a darlington transistor and integral suppression diode for inductive load. The board interfaces to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The OME-DB-24C has one 37-pin D-sub connector, one 50-pin male and one 20-pin male connector.

Compatible Data Acquisition Boards

Board	Cable	
	20-pin*	50-pin
OME-A-8111	✓	
OME-A-822PG	✓	
OME-A-826PG	✓	
OME-PCI-1002	✓	
OME-PCI-1202	✓	
OME-PCI-1602	✓	
OME-PCI-1800	✓	
OME-PCI-1802	✓	
OME-PCI-TMC12	✓	
OME-PIO-D144		✓
OME-PIO-D24	✓	
OME-PIO-D48		✓
OME-PIO-D56	✓	
OME-PIO-D96		✓
OME-PIO-DA4	✓	
OME-PIO-DA8	✓	

* Boards with 20-pin header provide support for only 16-channels



OME-DB-24C shown smaller than actual size.

The transistor is energized by applying a 5 V signal to the appropriate input channel on the 50-pin connector, 20-pin flat cable connector or 37-pin D-sub connector. Twenty-four enunciator LED's, one for each transistor is activated.

Dimensions: 130 H x 220 mm W (5.1 x 8.7")

Operating Temperature:

0 to 60°C (32 to 140°F)

Storage Temperature: -20 to 70°C (-4 to 158°F)

Humidity: 5 to 90% RH non-condensing

Specifications

Voltage Load: 5 to 24 Vdc (external)

Channel 1-4 and 13-16: 600 mA per channel (maximum load current)

Channel 6-12 and 17-24: 100 mA per channel (maximum load current)

Power Consumption:

+5 V @0.4 A maximum PC powered

Maximum Current Load Ext. Power (5 to 24 Vdc)	Low Nibble (4 Channels)	High Nibble (4 Channels)
Group A	600 mA	100 mA
Group B	100 mA	600 mA
Group C	100 mA	100 mA

To Order

Model Number	Description
OME-DB-24C	24-channel open-collector output board, includes 1.5 m (5') 50-pin flat cable
OME-DB-24C/DIN	OME-DB-24C with DIN-rail mounting kit
OME-CA-2010	20-pin flat cable, 1 m (3')
OME-CA-2020	20-pin flat cable, 2 m (6.5')
OME-CA-3720	37-pin D-sub connector cable, 2 m (6.5')
OME-CA-5015	50-pin flat cable, 1.5 m (5')