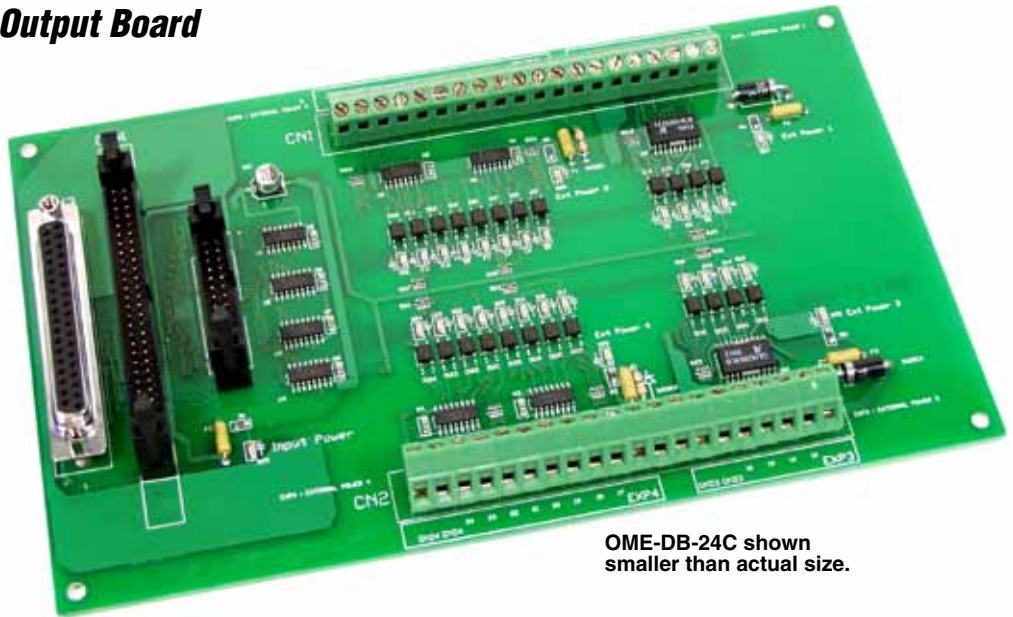


24-Channel Open-Collector Output Board

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



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

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.

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

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

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



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

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')

Each board is supplied with operator's manual on CD ROM.

Ordering Example: OME-DB-24C 24-channel open-collector output board and OCW-1 OMEGACARESM extends standard 1 year warranty for a total of 2 years.