

# 24-Channel Photo-MOS Relay Output Board OME-DB-24POR

**\$319**  
Basic Unit

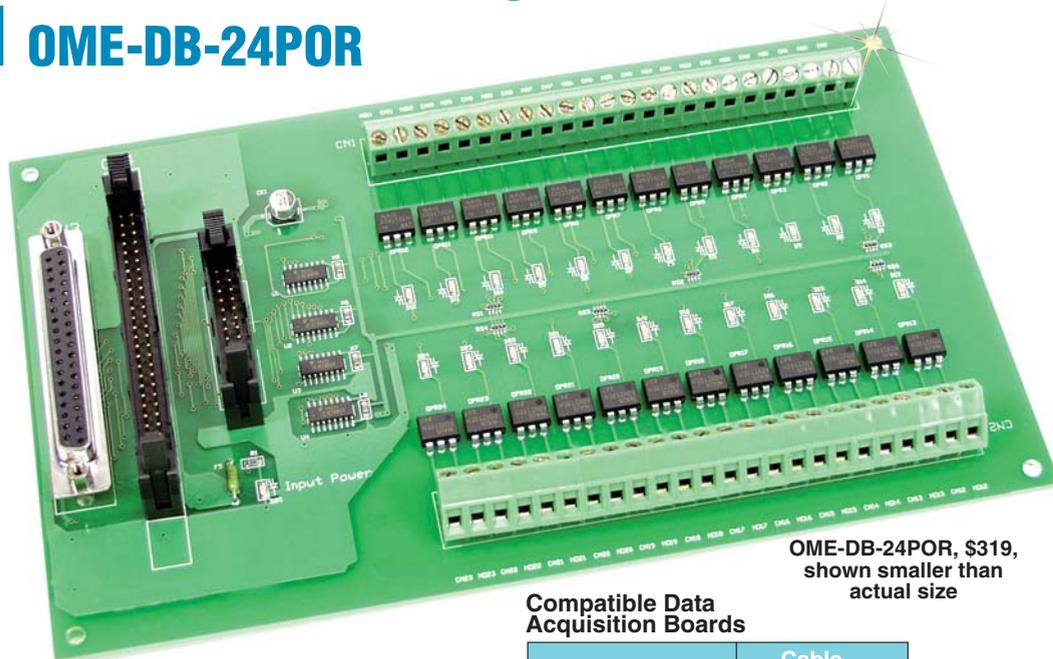


- ✓ 24 Photo MOS Relays
- ✓ One (Optionally Isolated) 50-Pin Compatible Connector, One 37-Pin D-Sub Connector and One 20-Pin Connector
- ✓ Connects to OME Series of Data Acquisition Boards with Digital Outputs
- ✓ LED Indicates Relay Status
- ✓ Screw Terminals for Easy Field Wiring
- ✓ 5,000 Vdc Optical Isolation
- ✓ Switch up to Maximum 0.13 A at Maximum 350 Vac
- ✓ 5 Vdc Logic Levels

The OME-DB-24POR includes 24 normally open, Form A, Photo MOS Relays. The board interfaces to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The user can use the OME-BB-24POR to switch loads, up to 350 Vac and up to 0.13 A. The relay is energized by applying a 5 V signal to the appropriate relay channel on the 50-pin compatible connector, 37-pin D-Sub connector or 20-pin flat-pin connector. Twenty-four enunciator LED's, one for each relay, light when their associated relay is activated.

## Specifications

**Turn-On Time:** 0.7 ms (typical)  
**Turn-Off Time:** 0.05 ms (typical)  
**Output On Resistance:** 23Ω (typical)  
**Load Voltage:** 350 V (peak AC)  
**Power Dissipation:** 500 mW



OME-DB-24POR, \$319, shown smaller than actual size

**Input / Output Isolation:** 5000 Vac  
**Continuous Load Current:** 0.13 A (peak AC)  
**Power Consumption:** +5 V @ 0.3 A max  
**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

*OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners*

## Compatible Data Acquisition Boards

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

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

## ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model Number	Price	Description
OME-DB-24POR	\$319	24-channel photo-mos relay output board, includes 1.5 m (5') 50-pin flat-cable
OME-DB-24POR/DIN	329	OME-DB-24POR with DIN-rail mounting kit
OME-CA-2010	10	20-pin flat cable, 1 m (3')
OME-CA-2020	19	20-pin flat cable, 2 m (6.5')
OME-CA-3710	39	37-pin D-sub connector cable, 1 m (3')
OME-CA-3720	49	37-pin D-sub connector cable, 2 m (6.5')
OME-CA-5015	29	50-pin flat cable, 1.5 m (5')

Each board includes complete operator's manual on CD ROM.

**Ordering Example:** OME-DB-24POR 24-channel OPTO-22 photo-mos relay board and OMEGACARE<sup>SM</sup> 1 year extended warranty for OME-DB-24POR (adds 1 year to standard 1 year warranty), \$319 + 30 = \$349.

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