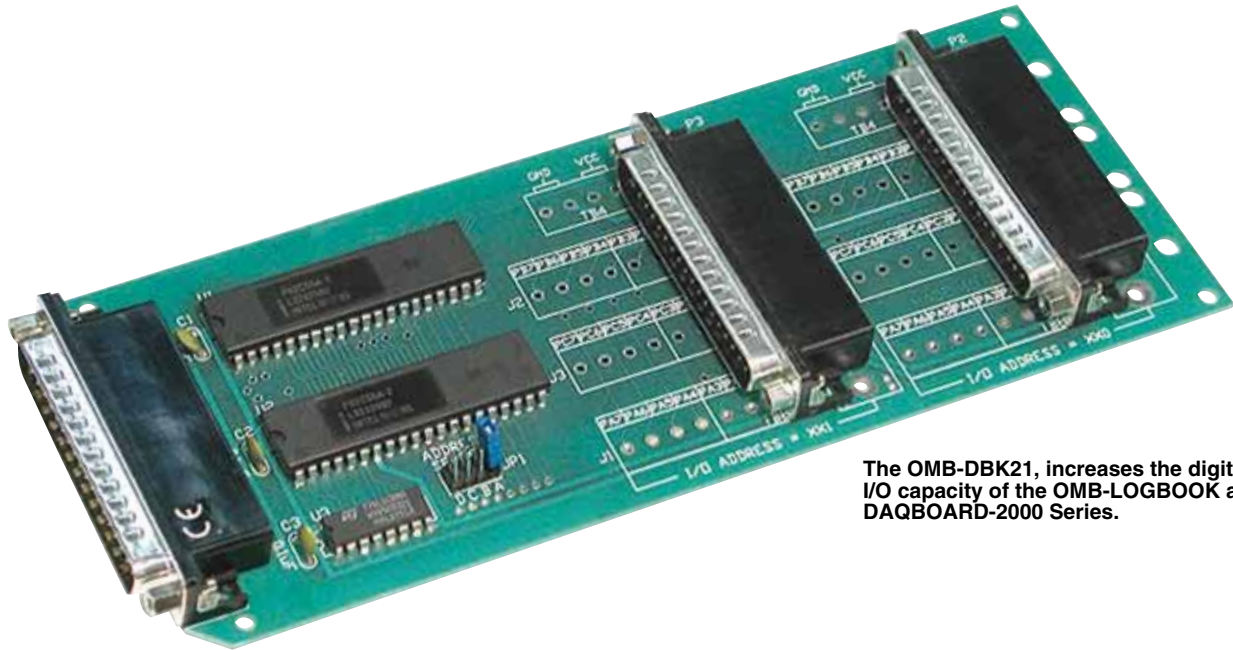


# 48-Line General-Purpose Digital I/O Card

For OMB-LOGBOOK and DAQBOARD-2000 Series



The OMB-DBK21, increases the digital I/O capacity of the OMB-LOGBOOK and DAQBOARD-2000 Series.

## OMB-DBK21



✔ Offers 48 I/O Lines Expandable in 8-Bit Groups as Inputs or Outputs

The OMB-DBK21 general-purpose digital I/O card expands the number of digital I/O lines by forty-eight per card. The OMB-DBK21 connects to the digital I/O connectors on the OMB-LOGBOOK, OMB-DAQBOARD-2000 Series or OMB-DIGIBOOK-72 data acquisition systems.

Please note that when the OMB-DBK21 is connected, the OMB-LOGBOOK, OMB-DAQBOARD-2000 Series or OMB-DIGIBOOK-72 digital I/O lines do not function as digital I/O lines for user-connected digital signals. Thus, for example, the first OMB-DBK21 card attached

increases the system's number of usable digital I/O lines from twenty-four to forty-eight, and subsequent cards each add forty-eight additional lines of user-programmable digital I/O.

Up to four OMB-DBK21 cards can be attached to the P2 port of a system, for a total of 192 lines.

The OMB-DBK21 provides DB37 male connectors for signal outputs.

### Specifications

48 I/O channels programmable in 8-bit groups as inputs or outputs

**Connector:** DB37 male, mates with P2 pinout on an OMB-LOGBOOK, OMB-DAQBOARD-2000 Series (attachment to the DAQBOARD's P2 further requires the use of an optional OMB-CA-60 cable) or with P2-1, P2-2 or P2-3 on the OMB-DIGIBOOK-72; the OMB-DBK21 offers DB37 male connectors for signal outputs

**Device:** 82C55 x 2

**Output Voltage Levels**

**Minimum "1" Voltage:**

3.0 @ 2.5 mA sourcing

**Maximum "0" Voltage:**

0.4 @ 2.5 mA sinking

**Output Currents**

**Maximum Source Current:** 2.5 mA

**Maximum Sink Current:** -2.5 mA

**Input Voltage Levels**

**Minimum Required "1" Voltage**

**Level:** 2V

**Maximum Allowed "0" Voltage**

**Level:** 0.8V

**Output Float Leakage Current:** 10  $\mu$ A

**Cables:** Use OMB-CA-37-x cable

with OMB-LOGBOOK and

OMB-DAQBOARD-2000 Series



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.

### To Order

Model No.	Description
OMB-DBK21	48-line general-purpose digital I/O card with DB37 male connectors