

# DaqOEM Series



## Board-Level Ethernet-Based Data Acquisition for OEM & Embedded Applications

The DaqOEM Series\* are single-board solutions for Ethernet-based embedded and OEM applications requiring analog, digital and frequency I/O. All of the features of our popular DaqBook/2000 Series are available in the DaqOEM board-level solution. Single quantity DaqOEM boards are available for evaluation—quantity pricing is offered for volume applications.

The DaqOEM is powered by a user-supplied +10 to +30 VDC input at 15W, via a standard 5-pin DIN connector. An optional AC/DC converter (TR-40U) provides power from a 110 to 250 VAC source. All signal I/O is accessed via three 40-pin dual in-line connectors on the board (P1, P2 and P3 connectors described in the DaqBook/2000 Series). Optional cables are available for converting the 40 position header to a male DB37 connector (CA-248).

### Software

The DaqOEM Series includes comprehensive drivers for DASyLab®, NI LabVIEW®, Visual C++®, Visual C#®, Visual Basic®, and Visual Basic® .NET.

### Specifications

See DaqBook/2001 and DaqBook/2005 specifications for complete information  
**Dimensions:** 275 mm W x 205 mm D (10.83" x 8.09")  
**System Connectors:** P1, P2, P3 are 2 x 20 pin headers on 0.100 inch centers, 0.025" square posts  
**Power Connector:** 5-pin DIN, or 2-pin male  
**Ethernet Connector:** RJ-45  
**Sync Connector:** RJ-11, 6 pin

### Ordering Information

Contact the factory for OEM quantity pricing. DBK signal conditioning and expansion options are also available as board-level OEM solutions.

Analog input, digital I/O, frequency I/O board	DaqOEM/2005
Same as above, except with 4 channels of analog output	DaqOEM/2001
External power supply, 100 to 240 VAC, 50W, 15 VDC; requires additional cable	TR-40U
USA version	CA-1
European version	CA-216

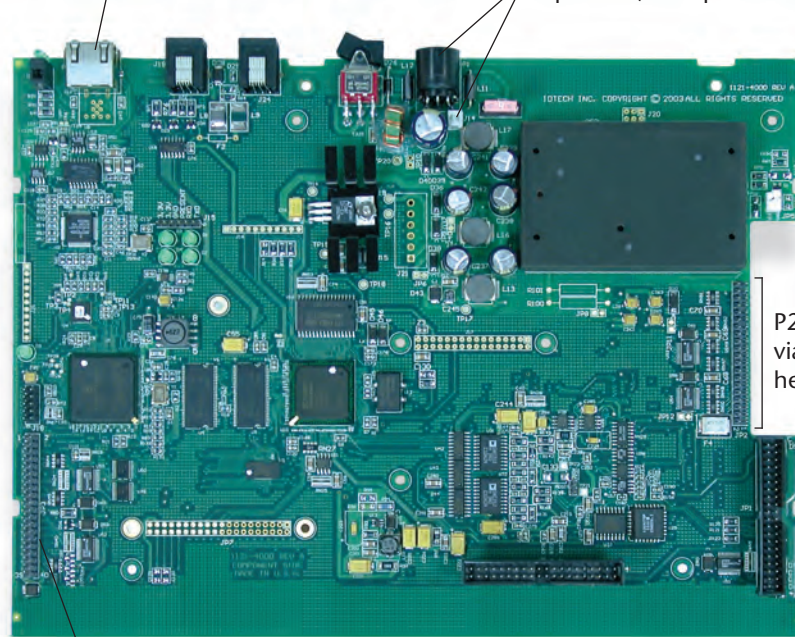
### Cables

Sync cable, 1 ft.	CA-74-1
5-pin DIN to automobile cigarette lighter power cable, 8 ft.	CA-116
Shielded Ethernet patch cable, 18 in.	CA-242
Shielded Ethernet patch cable, 7 ft.	CA-242-7
Cable, ribbon, 40-pin header to 37-pin DSUB, 9 in.	CA-248

\* Supported Operating Systems:  
Windows 7/Vista/XP SP2, 32-bit or 64-bit

Ethernet is attached via RJ-45 connector

DC input power is applied via a 5-pin DIN, or 2-pin male connector



P2 digital I/O via 40-pin DIN header

P1 analog input via 40-pin header

P3 frequency I/O, digital I/O, and optional analog output via 40-pin header

### DaqOEM Diagram

