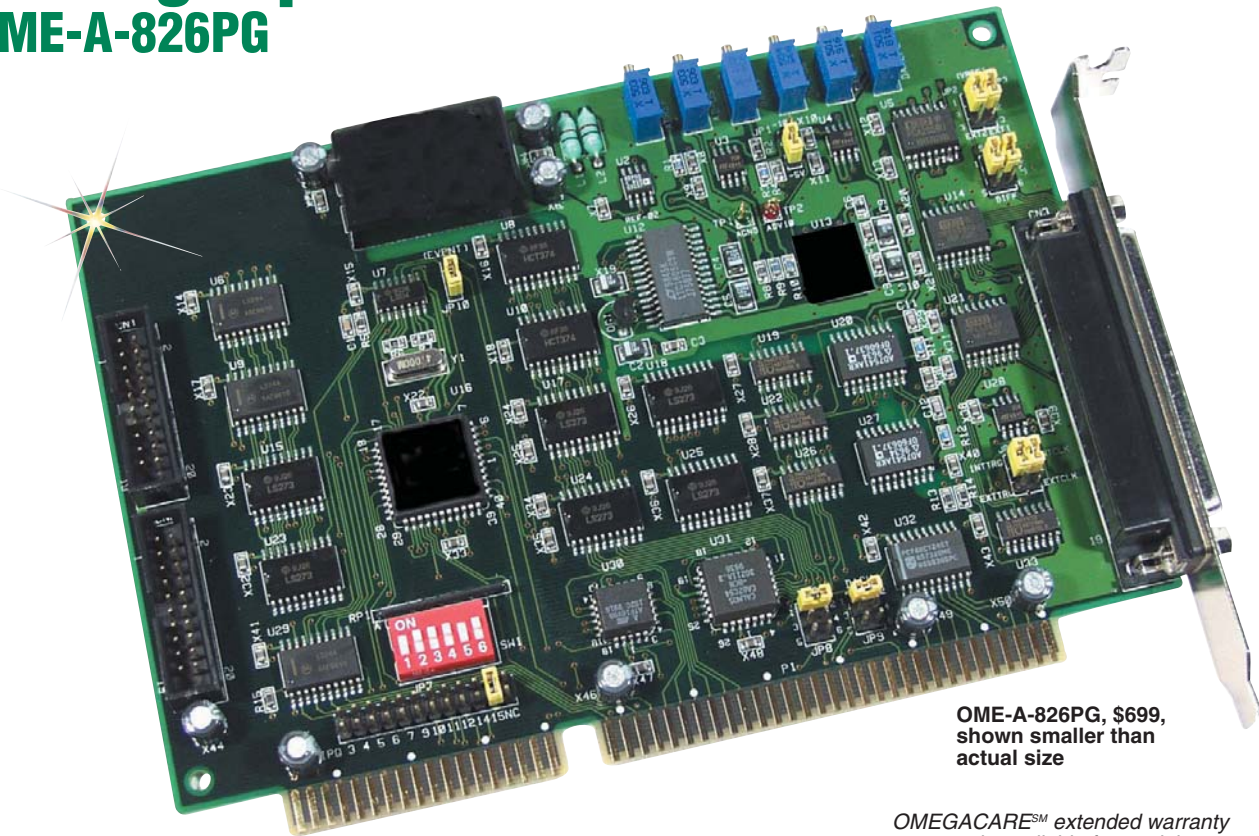


100K S/s 16-Channel 16-Bit Analog Input Board for the ISA Bus OME-A-826PG



OME-A-826PG, \$699,
shown smaller than
actual size

\$699
Basic Unit



- ✓ 16-Bit A/D Converter
- ✓ 12-Bit D/A Converter
- ✓ 16 Single-Ended or 8 Differential Inputs
- ✓ 100 KS/s Sampling Rate
- ✓ Two 12-Bit Analog Output Channels
- ✓ A/D Data Transfer Modes: Polling, Interrupt, DMA
- ✓ 16 Digital Input & 16 Digital Outputs

The OME-A-826PG is a 16-bit multifunction analog and digital I/O board for PC/AT compatible computers. The OME-A-826PG offers 16 single-ended or 8 differential analog inputs, plus two channels of analog output with 12-bits resolution. In addition, the OME-A-826PG has 16 digital inputs, 16 digital outputs and one counter/ timer channel. The OME-A-826PG provides gains of 1, 2, 4 and 8. It has a maximum sampling rate of 100 KS/s. DMA operation is jumper selectable for levels 1 or 3. Interrupts are jumper selectable between 3 and 15.

Software Development Kit

All data acquisition boards are supplied with a standard software development kit for Windows 98/NT/2000/XP. The software development kit includes DLL files for programming in C, C++ or other high level languages and OCX files for Visual Basic or Active X programming. LabView drivers are also included.

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.

Specifications

ANALOG INPUT

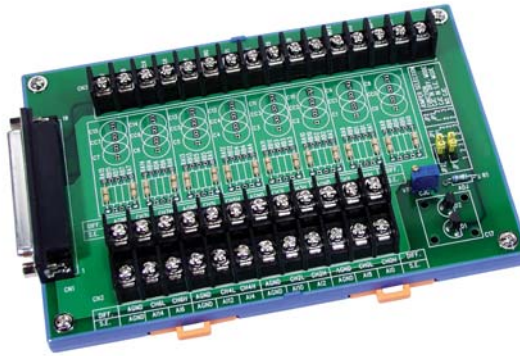
Channels: 16-channel single-ended or 8-channel differential
Input Ranges: $\pm 10\text{ V}$, $\pm 5\text{ V}$, $\pm 2.5\text{ V}$, $\pm 1.25\text{ V}$
Resolution: 16-bits
Conversion Rate: 100 KS/s
Input Impedance: 10,000 Ω //6pf
Overvoltage Protection: $\pm 35\text{ V}$
Linearity: ± 1 -bit
Sample & Hold: on chip
Zero Drift: 19 ppm/ $^{\circ}\text{C}$ of full scale

D/A OUTPUTS

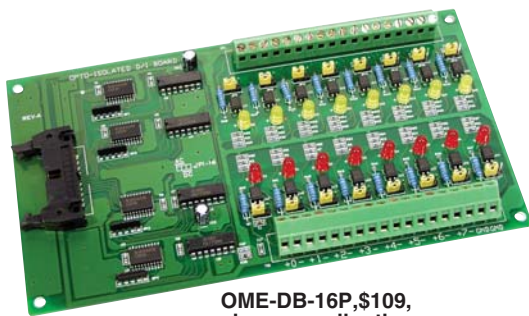
Channels: 2 independent
Type: 12-bit double buffers
Linearity: 0.006% FS
Output Driving: 5 mA
Output Range: 0 to 5 V or 0 to 10 V
External Reference: Max $\pm 10\text{ V}$
Output Current: $\pm 5\text{ mA}$

DIGITAL I/O

Inputs: 16 (LSTTL)
Input Low: $V_{IL} = 0.8\text{ V}$ max
 $I_{IL} = -0.4\text{ mA}$ max
Input High: $V_{IH} = 2.0\text{ V}$ min
 $I_{IH} = 20\text{ }\mu\text{A}$ max
Outputs: 16 channel TTL levels
Outputs Low: $V_{OL} = 0.5\text{ V}$ max
@ $I_{OL} = 8\text{ mA}$ max
Outputs High: $V_{OH} = 2.7\text{ V}$ min
 $I_{OH} = -400\text{ }\mu\text{A}$ max



OME-DB-8225, \$99, shown smaller than actual size (shown with DIN-Rail Mounting Kit)



OME-DB-16P, \$109, shown smaller than actual size

COUNTER/TIMER

Programmable Internal Timer:
(0.0045 Hz 0.5 MHz)
Type: 82C54
A/D Pacer: 16-bit counter
Interrupt Channel:
3-15 jumper selectable

General Environmental Power Requirements:

+5 V @ 650 mA (max)
Operating Temperature:
0 to 50°C (32 to 172°F)
Storage Temperature:
-20 to 70°C (-4 to 158°F)
Software: Windows 98/NT
Humidity: 0 to 90% RH non-condensing
Dimensions: 122 H x 170 mm W
(4.8 x 6.7")
Connector: analog I/O, 37-pin D-Sub;
digital I/O, two 20-pin headers



OME-DN-37, \$89, shown smaller than actual size (shown with DIN-Rail Mounting Kit)

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model Number	Price	Description
OME-A-826PG	\$699	100 KS/s 16-bit multi-function board
OME-DB-8225/1	99	Screw terminal board for analog I/O with 1 m (3') 37-pin D-sub cable
OME-DB-8225/2	99	Screw terminal board with 2 m (7') 37-pin D-sub cable
OME-DB-37	79	Direct connect 37-pin terminal board
OME-DN-37	89	37-pin D-Sub DIN rail mount I/O connector board (two 37-pin D-Sub connectors, one for expansion) for analog inputs, includes one 1 m (3') cable
OME-DB-889D	399	16-channel analog multiplexer board, includes 1 m (3') cable
OME-DB-16P	109	16-channel isolated digital input board, includes 1 m (3') cable
OME-DB-16R	169	16-channel relay output board, includes 1 m (3') cable

Each OME-A-826PG includes complete operator's manual and software development kit on CD ROM.

Ordering Example: OME-A-826PG 16-bit multi-function board, and OMEGACARESM 1 year extended warranty for OME-A-826PG (adds 1 year to standard 1 year warranty), 699 + 69 = \$708.



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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters