

OMG-ACB Synchronous/Asynchronous RS-232/422/485/530 Interfaces For IBM PC/XT/AT and Compatibles



\$199
Basic Unit



IBM PC



SERIAL I/O



OMG-ACB-IV, \$199, shown smaller than actual size

- ✓ Single and Dual Channel Interfaces
- ✓ Reliable Communication up to 5000 Feet (1.5 km)
- ✓ OEM Security Feature for Software Protection (OMG-ACB-II)
- ✓ Selectable Address
- ✓ Individually Selectable Interrupts 3-5 and DMA Channel 1-3
- ✓ 2 or 4-Wire RS-422 Operation
- ✓ DB-25 Male Shielded Connectors
- ✓ Driver Software Examples Provided
- ✓ WIN 95/98/ME/NT/2000/XP HDLC/SDLC Drivers, Applications, and Sample Source Code Included

Line noise, present in industrial environments, is eliminated over the RS-422 line. By utilizing RS-422, factory applications requiring long distance communications operate with high data integrity. Signals are transmitted and received via 25-pin sub-D connector(s). The OMG-ACB-II is also capable of RS-232 for applications requiring shorter distances and RS-232 compatibility.

Balanced differential drivers and receivers are utilized to provide RS-422 and RS-485 communications. Selectable interrupts (IRQ levels) increases the card's versatility. Distances of 5000 ft in noisy industrial environments are easily accommodated with the OMG-ACB.

Specifications

SERIAL COMMUNICATIONS

Controller: 85230-8

Protocols Supported: X.25, SDLC, HDLC, MONOSYNC, BISYNC, and high speed ASYNC

Ports: OMG-ACB-II: single RS-232/422/485/530; OMG-ACB-IV: dual RS-422/485/530

Max Data Rate: 1.2288 Mbps

Max Data Distance: 5000' @ 9600 bps

RS-485 Operation: Two or four wire Connectors: 25-pin sub-D

Operating Ambient: -0 to 50°C (32 to 122°F); 0 to 90% RH

Storage Ambient: -20 to 70°C (-4 to 158°F)

Power: OMG-ACB-II: +5 V @ 275 mA, ±12 V @ 50 mA each; OMG-ACB-IV: +5 V @ 710 mA

The OMG-ACB Series provides the PC-based system with single/dual high-speed synchronous/asynchronous links to instruments requiring extremely fast data flow. The RS-422 communications standard allows the OMG-ACB to communicate reliably at high speeds under harsh conditions, which makes it an ideal solution for industrial environments.

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OMG-ACB-II	\$199	Single port high speed RS-232/422/485/530 interface
OMG-ACB-IV	319	Dual port high speed RS-422/485/530 interface

Comes complete with operator's manual.

Ordering Example: OMG-ACB-IV dual-port high speed RS-232/422/485 interface, and OMEGACARESM 1-year extended warranty for OMG-ACB-IV (adds 1 year to standard 1 year warranty), \$319 + 31 = \$350.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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