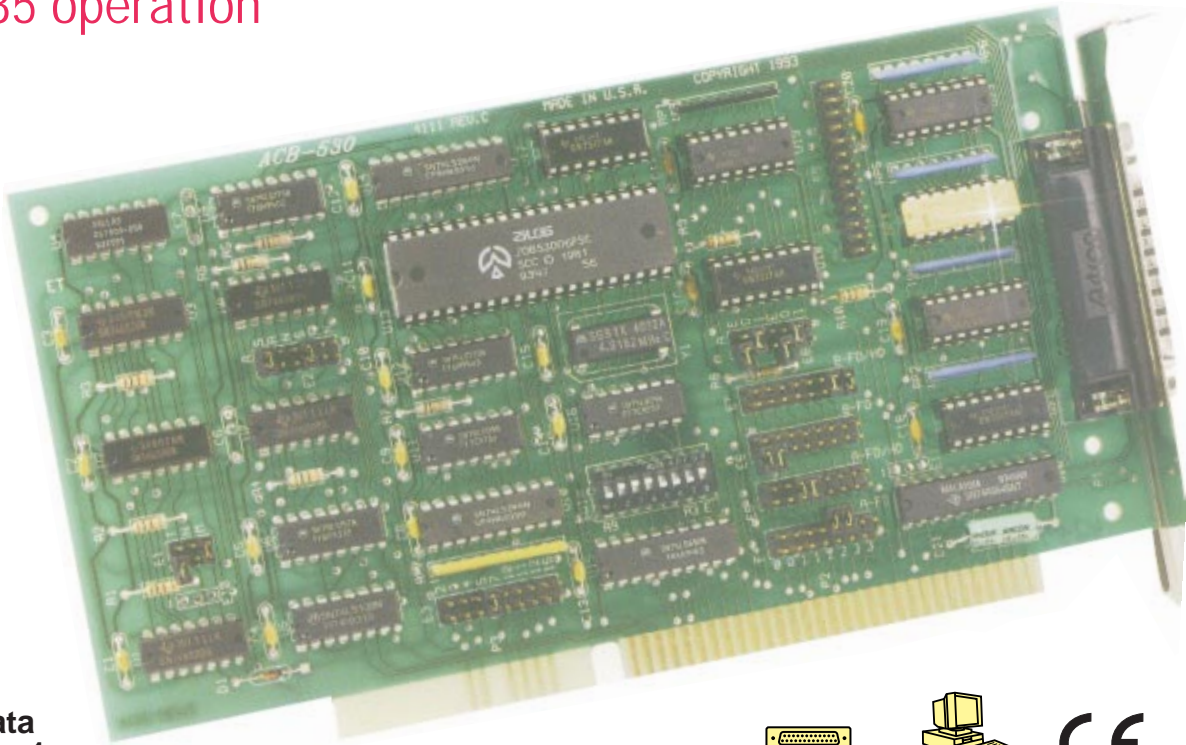


# Synch/Async High Speed Serial Interface

## RS-530/422/485 operation



OMG-ACB-530  
Basic Unit  
**\$319**

- ✓ 8530 Serial Communications Controller
- ✓ DMA Supports Data Rates Greater than 1 Million BPS
- ✓ Full Duplex DMA Transfer Capability on Both Channels A and B
- ✓ Selectable Address and DMA Channels (0,1,2,3)
- ✓ Individually Selectable Interrupts 2-5, 7, 10-12, and 15
- ✓ DMA Terminal Count Interrupt Supported
- ✓ Software Developers Toolkit Included

### Applications

- ✓ Users Requiring Protocols such as SDLC, HDLC, X.25, MONOSYNC, BISYNC, ASYNC
- ✓ Fractional T1 Pipelines/Data Highways
- ✓ PLC Communications
- ✓ Flexibility of Board Design Allows Interfacing with a Variety of Standard and Unusual Protocols

The OMEGA Advanced Communications Boards (ACBs) allow the user to configure a high speed, low cost SYNC/ASYNc communications solution. Protocols supported include X.25, SDLC, HDLC, MONOSYNc, BISYNc, and high speed ASYNc. The serial Communications Controller allows Full Duplex communications at speeds greater than 1Mbps without the added cost of an intelligent communications coprocessor. This feature gives the ACB user an unparalleled cost/performance ratio. Models are available with one or two communication ports and support for a variety of communication standards. Both ports can be operated in full duplex DMA mode. Using this feature, both channels can operate at very high data rates with DMA.



### SPECIFICATIONS

**Controller:** 8530-6  
**Ports:**  
**OMG-ACB-530-I:** Single port RS-530, RS-422 or RS-485  
**OMG-ACB-530-II:** Dual port RS-530, RS-422 or RS-485  
**Max Data Rate:** 1.2288 Mbps  
**Max Data Distance:** 5000 ft at 9600 bps  
**RS-485 Operation:** Two or four-wire (Half or Full duplex)  
**Operating Ambient:** 0 to 50C (32 to 122 F), 0 to 90% RH  
**Storage Ambient:** -20 to 70C (-4 to 158 F)  
**Power:** +5V @ 195 mA  
**Connectors:** DB25P;EIA-530-DTE

To Order ( <i>Specify Model #</i> )		
Model No.	Price	Description
OMG-ACB-530-I	\$239	Single port RS-530/422/485 interface
OMG-ACB-530-II	319	Dual port RS-530/422/485 interface
OMG-ACB-530-CAB-01	15	RS-449 cable adaptor converts RS530 pinout to RS-449 male, 9"

*Comes complete with operator's manual and software toolkit.*

