

ACB4



Description

The ACB4 provides the PC with two high speed synchronous/asynchronous links to communication devices requiring extremely fast data flow. RS-530 is replacing RS-449 in TELECOM applications and provides a standard pinout. The ACB4 is capable of being used with RS-530, RS-422/485, or RS-449 (with optional cable) connections. Data rates in excess of 1 million bps are capable with the ACB4 card.

Ordering Guide

ACB4 Board, manual, software

Dual Channel High Speed Sync/Async RS-530/422/485 Serial Interface

Features

- Dual Channel Sync/ Async
- 8530-8 SCC (Serial Communications Controller)
- DMA Supports Data Rate Greater Than 1 Million bps
- Full Duplex DMA Transfer Capability
- Selectable Port Address, IRQ Level (2, 3, 4, 5) and DMA Channel (1 or 3)
- Software Programmable Baud Rate
- Software Developer's Tool Kit Included with Source Code
- DB-25P Interface Cable Included with 2 Channel Boards
- RS-449 Cabling Option Available
- Higher Speed Enhanced SCCs and CMOS SCCs Optional
- Various Oscillators Available for Custom Clock Rates



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Applications

- Requiring Protocols Such As: SDLC, HDLC, X.25, MONOSYNC, BISYNC, and ASYNC
- Fractional T1 Pipelines/Data Highways
- WAN Communications
- RS-530/422/485 Synchronous Communications

Direct Memory Access (DMA)

The ACB4 (as well as most other ACB boards) has the ability to transmit or receive using Direct Memory Access (DMA). When DMA is utilized on the PC, data can be transferred to or from memory or via a specified I/O port with absolutely no software overhead. DMA is the most efficient way to transfer data on a PC architecture without using a second processor or "smart card".

SPECIFICATIONS

SCC	8530-6
Number of Ports	Dual RS-530/422/485
I/O Requirements	8 I/O Addresses
IRQ Selection	2-5
Maximum Data Rate	1.2288M bps DMA Channels 1 or 3
RS-485 Operation	Two or Four Wire
Operating Temperature	0-50° C
Storage Temperature	-20-70° C
Humidity Range	0-90% R.H.
Current Specifications	+5V @ 710 mA
Connector(s)	DB-25P EIA-530 DTE
MTBF	>150,000 Hrs
MTTR	< .25 Hrs



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