

Model 70500135



4-Port Synchronous Adapter



FEATURES

- *Four RS-232D/V.35, X.21/RS-530 Ports*
- *Up to 5Mbps Baud Rate*
- *256k of Dual Ported RAM*
- *Full Modem Control*
- *Software Configurable Interrupts*

DESCRIPTION

The Model 70500135 is Digi's 4-Port SYNC/570i, high performance WAN communication adapter. The SYNC/570i is a cost-effective product for LAN-to-LAN, Client-to-LAN, and Client-to-Host connectivity. As a complete hardware and software solution, the SYNC/570i product provides tightly integrated remote LAN connectivity for major operating environments including Novell NetWare and Windows NT. This makes it an ideal branch and enterprise solution where two to 16 ports per server are required.

The Model 70500135 is a four-port card for the ISA platform. The card has an advanced feature set that allows it to support line speeds better than T1/E1. These features include a design based on the Hitachi HD64570 Serial Communications Adapter (SCA) chip. This highly integrated subsystem provides support for two synchronous serial ports, four DMA channels, plus interrupt and

timer logic. In addition, it has many protocol-specific features designed to maximize performance by minimizing driver overhead. The Model 70500135 contains two of these chips.

The key to the SYNC/570i's performance is its integral DMA-to-shared memory architecture. Its on-board 256k memory is directly addressable by both the system and the SCA's DMA. Program-initiated DMA transfers operate at DMA/memory speed independently of other system activity. This results in reduced system overhead and hardware line speeds up to 5Mbps.

For ease of use, the SYNC/570i is software configurable. Shared memory is accessed through a 16k window that is assignable to any 16k boundary in the first 16Mb of system memory. In addition, the memory is tri-stated, which allows multiple boards in a system to share a common window address.

SPECIFICATIONS

Number of Ports

4, selectable as EIA-232D/V.35 or EIA-530/X.21

USART

Hitachi 10MHz HD64570

Line Rate

5Mbps

Memory

256k dual ported

Shared Memory Window

16k

DMA Channels

8

Interrupts

3, 5, 7, 10-12, or 15
Software configurable

Operating Temperature

10°C to 55°C

Humidity

5% to 90% RHNC

Altitude

0 to 12000ft

Power Requirements

+5VDC @ 1.5A
-5VDC @ 125mA
+12VDC @ 75mA

ORDERING GUIDE

Model 70500135

Card, manual, software, cable



INDUSTRIAL COMPUTER SOURCE®

6260 Sequence Drive, San Diego, CA 92121

1-800-523-2320

<http://www.indcompsrc.com>