

# Model FASTCOMESCC/P



## PCI Based Sync/Async Communications Adapter



### FEATURES

- Supports RS-422 / RS-485
- High Speed, up to 10Mbits/sec
- Supports HDLC, SDLC, ISDN Lap D, & X.25, Async & Bisync
- Collision Resolution
- 64 Byte FIFOs Each Direction

### DESCRIPTION

The new Model FASTCOM/ESCC-P adapter, takes the power of the most advanced synchronous/asynchronous adapter, the FASTCOM/ESCC and combines it with the high-speed PCI bus. By utilizing the high-speed PCI bus architecture, we are able to take full advantage of the advanced Siemens ESCC chip. The card still provides clock rates of up to 10Mbits per second. The FASTCOM/ESCC-P offer the flexibility inherent in a dual channel adapter, with each channel individually configurable to use HDLC/SDLC, async, or bisync protocols, and features a high speed RS-422/RS-485 interface conforming to the ANSI/EIA/TIA-530-A-1992 configuration (RS-530).

The FASTCOM/ESCC-P is comparable to the FASTCOM/HSCX, but expands on the HSCX by giving options for:

- CRC generation of either CRC-32 or CRC-CCITT polynomials (CRC-16/CCITT for bisync)
- CRC reset state to all 1's or 0's
- Manchester line encoding
- FM encoding (bi-phase space / bi-phase mark)
- Preamble transmission (with repetition)
- Asynchronous and bisynchronous operating modes
- True 16-bit data path to FIFOs

The Model FASTCOM/ESCC-P also features a programmable on-board clock generator. Virtually any clock rate can be synthesized without the need for clock changes or custom modifications.

### SPECIFICATIONS

#### Number of Channels

2

#### Communications Controller

Siemens 82532

#### Drivers/Receivers

RS-422 / RS-485

#### Connector Configuration

ANSI/EIA/TIA-530-A-1992

#### Line Speed

Up to 10Mbits/sec

#### Encoding Modes

NRZ, NRZI, FM, Manchester

#### Modem Control Lines

RTS, CTS, DTR, DCD, DSR

#### Protocol Support

HDLC, SDLC, ISDN LAP D, X.25 LAP B, Async, and Bisync

#### Power Requirements

+5VDC @ 300mA typ.

#### Operating Temperature

0 to 70°C

#### Humidity

0 to 90% RHNC

#### Software

C++ class library for DOS

### ORDERING GUIDE

#### Model FASTCOMESCC/P

Card, manual, software



**INDUSTRIAL COMPUTER SOURCE®**

6260 Sequence Drive, San Diego, CA 92121

**1-800-523-2320**

<http://www.indcompsrc.com>