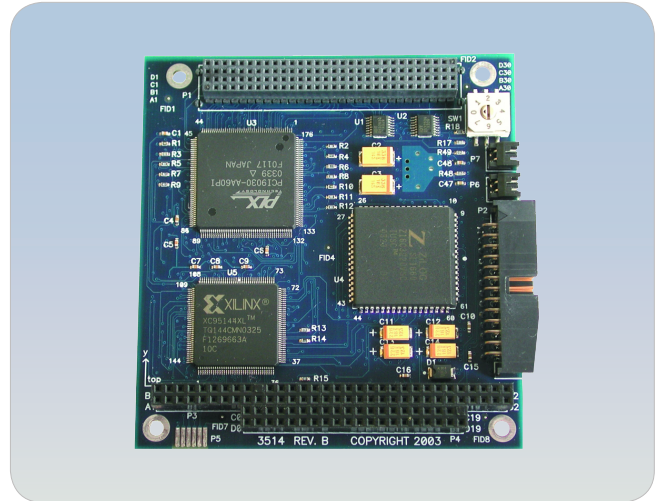# PC/104 - Synchronous Serial

PC/104-Plus RS-232, RS-422, RS-485, RS-530, RS-530A, V.35 Synchronous Serial Interface

Item # 3514

The 3514 PC/104-Plus serial interface provides one synchronous serial port configurable for RS-232, RS-422, RS-485, RS-530, RS-530A, or V.35. The 3514 utilizes a Z16C32 Integrated Universal Serial Controller (IUSC™) with built-in DMA controller and 32-byte FIFO buffer and is capable of data rates to 10M bps. For maximum compatibility with a variety of host processors, the 3514 can operate with either 3.3V or 5V signal levels.

Unique Features

▸ Configurable for RS-232, RS-422, RS-485, RS-530, RS-530A, or V.35

▸ Z16C32 Integrated Universal Serial Controller (IUSC) with built-in DMA controller and 32-byte FIFO buffer

▸ 256K bytes of onboard RAM/link list DMA supported

▸ Data rates to 10M bps

▸ PC/104-Plus compatible

▸ 26-pin right-angle header connector

Technical Specifications

Number of Ports	1
Communications Chip	Z16C32 IUSC
Max Data Distance	50 feet (RS-232)
	4000 feet (RS-485)
Max Data Rate	10M bps (burst)
RS-485 Operation	Full Duplex (4 wire)
	Half Duplex (2 wire)
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.