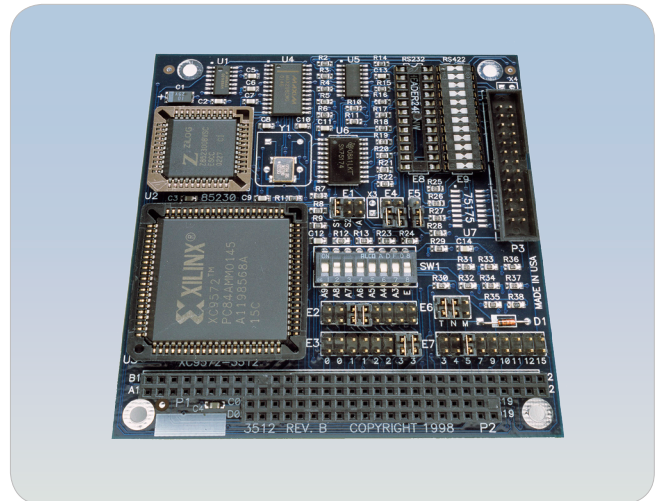# PC/104 - Synchronous Serial

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

Item #  3512

The 3512 high-speed serial interface module provides the PC/104 system with a direct high-speed RS-232, RS-422, RS-485, RS-530, RS-503A, or V.35 Sync/Async link to instruments requiring fast data flow. The RS-422 communication standard allows the 3512 to communicate reliably at high speeds under harsh conditions, making it an ideal solution for industrial environments. Line noise, present in industrial environments, is eliminated over the RS-422 line. By utilizing RS-422, factory applications requiring long distance communications operate with high data integrity.



### Unique Features

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

▸ Z85230 Enhanced Serial Communications Controller (ESCC™)

▸ Various oscillators available for custom clock rates

▸ Selectable port address, IRQ level (3-5, 7, 9-12, and 15) and DMA channels

▸ 26-pin vertical header connector (right-angle connector available for OEM opportunities)

### Technical Specifications

| | |
|---|---|
| Number of Ports | 1 |
| Communications Chip | 85230-8 ESCC |
| Max Data Distance | 50 feet (RS-232) |
| | 4000 feet (RS-485) |
| Max Data Rate | 128K 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. |

SEALEVEL