PC104P-MPSIO4

Low Cost 4-channel Serial I/ O with Programmable Cable, Front or Rear Panel I/ O

The PC104P-MPSIO4 board is a low cost 4-Channel Multi-Protocol UART with software selectable Serial I/ O cable interfaces. Each channel can be software configured for RS-232, RS-422/ 485, RS-449, V. 35, EIA-530, V. 36, and EIA-530A. The board can support asynchronous operation to 15Mbits/ sec and isochronous operation to 60 Mbits/ sec. Each transmitter and receiver has a 128 Byte deep FIFO. The board is fully software compatible with 16C550 family of UARTs. The Serial I/ O is through the front panel or P4 rear panel I/ O.

Features Include:

- 4 Full-Duplex Serial Channels

- Either RS-422/485 or RS232 interface available

- Up to 10 Mbits/s synchronous operation on each channel

- Up to 1 Mbits/s asynchronous operation on each channel

- Serial channel cabling - via front panel of host

- Built-In-Self Test capability verifies proper operation of the card

- Supports Asynchronous, Bisync, SDLC, HDLC, and Nine-bit protocols

- Parity and CRC error detection

- DMA to/from Zilog Z16C30 (USC) to on-board FIFOs

- DMA to/from on-board FIFOs to PMC host

- Programmable selectable data rates via on-board baud rate generator per each channel

- Sync word selection allows an interrupt upon the reception of a user specified character.

- Extensive interrupt signaling capability

- Contact Factory for VxWorks™ and WinNT™ drivers

Applications Include:
- ✓ LAN/WAN Networking
- ✓ Telecommunications
- ✓ Serial Interface