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XVME-428

Intelligent Asynchronous Serial Communication Module

The XVME-428 Intelligent Asynchronous Serial Communication Module provides VMEbus systems with eight serial ports, compatible with RS-232C, RS-422A, or TTL lines.

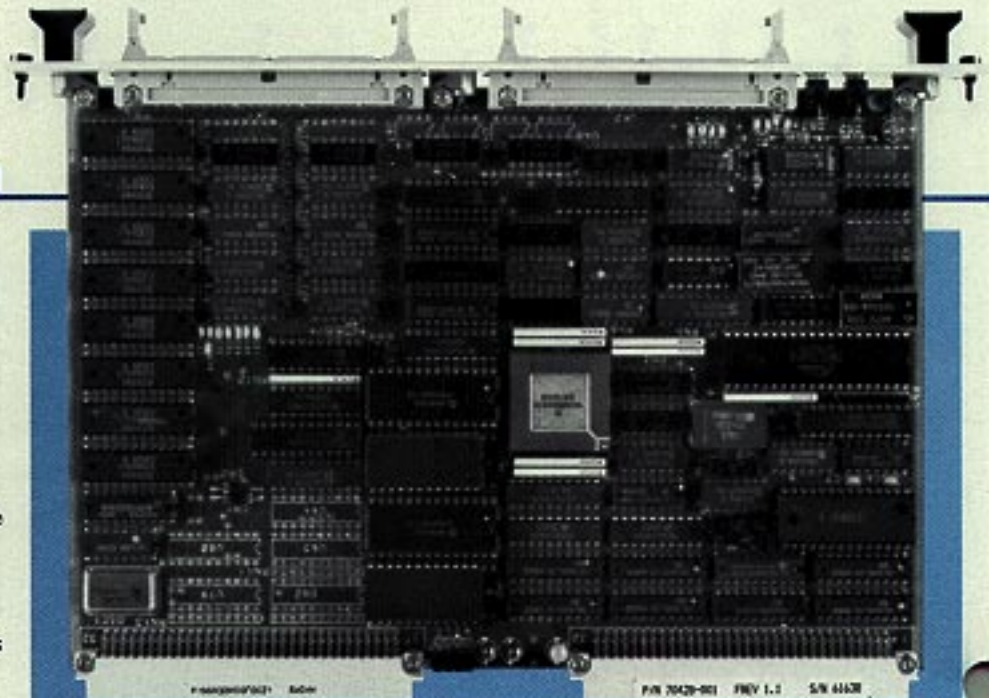
The XVME-428 contains Xycom's 68000 based Intelligent I/O Kernel. This kernel, along with the on-board firmware, performs many of the time consuming tasks associated with serial I/O, relieving the host processor of the burden of executing these tasks.

Features

- Eight independently programmable RS-232C or RS-422A serial ports
- 10 MHz 68000 CPU
- Xycom's Intelligent I/O Kernel
- Xycom's InterProcessor Communications Protocol
- On-board firmware for Record or Character I/O
- Programmable baud rates from 50 to 19.2K baud

Applications

- Simplifies serial I/O to peripheral devices by automatically executing most handshaking tasks
- Supports a wide variety of serial devices



Specifications

Serial Ports	
Number	8
Type	Signetics 2641 EPCI
Features:	
• Baud rates to 19.2 K	
• Asynchronous operations	
• Options of RS-232C, RS-422A or TTL drivers and receivers (TTL uses P2 Connector)	
• Each channel independently software configurable	
• Programmable baud rate, stop bits/character, parity, half or full-duplex	
• RTS/CTS modem control	
• Supports XON/XOFF protocol	
Power Requirements	5V \pm 5% @ 4.2A typ. \pm 12V \pm 10% 160 mA typ.

VMEbus Compliance

Complies with VMEbus Specification, Revision C.1
A16/A24:D16/D08(E0) DTB Slave
Interrupter - I(1)-I(7)(DYN), ROAK
Interrupt Vector - D08(O)(DYN)
Requester - R(0)-R(3)(STAT)
Utility Signals - SYSFAIL
Form Factor - NEXP
Conforms to Xycom Standard I/O Architecture

Ordering Information

Module: XVME-428/1
Description: 8 Channel Intelligent Asynchronous Serial Communication Module with RS-232C Interface
Module: XVME-428/2
Description: 8 Channel Intelligent Asynchronous Serial Communication Module with RS-422A Interface
Module: XVME-428/3
Description: 8 Channel Intelligent Asynchronous Serial Communication Module with TTL Interface



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