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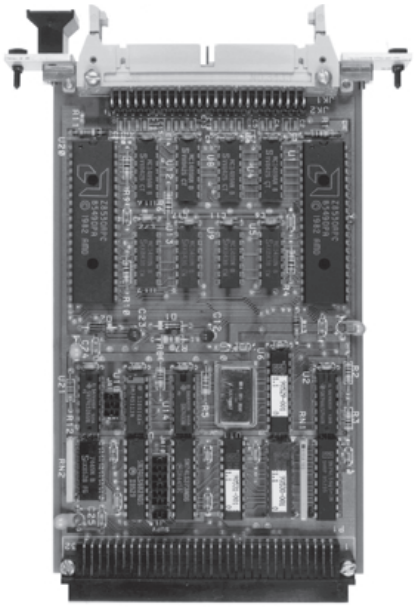
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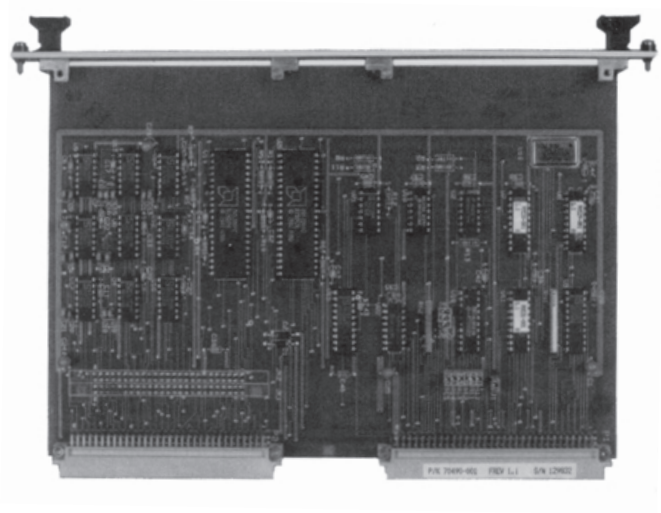
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Find the *Acromag / Xembedded / Xycom XVME-490* at our website: ***Click HERE***

XVME-400/401/490/491
Quad Serial I/O Modules



XVME-400



XVME-490

Features

- Four serial ports
- Single (3U) size (XVME-400/401) or double (6U) size (XVME-490/491)
- Asynchronous, monosynchronous, bisynchronous, HDLC, SDLC operation
- Zilog Z8530 Serial Communication Controller
- Modem control
- RS-232C or RS-422A/RS-485-compatible
- Independent baud rate generators for each signal channel

Applications

- Terminal or modem interface
- Serial printer interface

Overview

The Xycom Automation XVME-400 and XVME-401 Quad Serial I/O Modules are single-high, single-wide VMEbus modules that provide a VMEbus system with four serial communication channels. The XVME-400 and XVME-401 differ only in their communication interface: the XVME-400 provides four RS-232C serial ports, while the XVME-401 provides four RS-422A/RS-485 serial ports.

Both modules contain two Z8530 Serial Communication Controller (SCC) chips which provide a variety of communication modes, including asynchronous, byte-synchronous, and bit-oriented protocols. Each channel is independently programmable and has its own baud rate generator and modem signal controls.

The VMEbus interface directly maps the Z8530 SCC chips into the short I/O address space, starting on a jumper-selected 1 Kbyte boundary. The modules can also be jumpered to generate an interrupt on any of the seven VMEbus interrupt levels. The two Z8530 SCC chips can generate a total of 16 different interrupt vectors.

For applications not allowing I/O to be routed out the front panel, the XVME-490 and XVME-491 offer the same functionality as the XVME-400 and XVME-401. In a 6U form factor, the I/O is routed via the VMEbus P2 connector on the back of the board.

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Hardware Specifications

Number of Channels 4

Serial Device Zilog Z8530 SCC

Level Compatibility

XVME-400/490	RS-232C
XVME-401/491	RS-422A/485

Maximum Baud Rate

Internal, async	57.6 Kbaud
Internal, sync	500 Kbaud
External, async	57.6 Kbaud
External, sync	500 Kbaud

Modem Control Signals

XVME-400/401/490	RTS, CTS, DCD, DTR
XVME-491	RTS, CTS, DCD

Power Requirements

XVME-400/490	+5 V @ 1.1 A typ., 1.3 A max. +12 V @ 100 A typ.,110 A max.
XVME-401/491	+5 V @ 1.4 A typ., 1.6 A max.

VMEbus Compliance

- Complies with VMEbus Specification, IEEE 1014
- A16:D08(O) DTB Slave
- Interrupter I(1)-I(7)(STAT), ROAK
- Interrupt vector D08(O)(DYN)
- Form Factor:
  - XVME-401 and XVME-401: SINGLE
    3.9" × 6.3" (99.06 mm × 160.02 mm)
  - XVME-490 and XVME-491: DOUBLE
    9.2" × 6.3" (233.68 mm × 160.02 mm)

Warranty Information

The XVME-400, XVME-401, XVME-490 and XVME-491 each carry a two-year parts and labor warranty.

Environmental Specifications

Temperature

Operating	0º to 65º C (32º to 149º F)
Nonoperating	-40º to 85º C (-40º to 185º F)

Humidity 20% to 80% RH, non-condensing

Altitude

Operating	Sea level to 10,000 ft. (3048 m)
Nonoperating	Sea level to 40,000 ft (12192 m)

Vibration 5 to 2000 Hz

Operating	.015" (.38 mm) peak-to-peak displacement
	2.5 g (maximum) acceleration
Nonoperating	.030" (.76 mm) peak-to-peak displacement
	5.0 g (maximum) acceleration

Shock

Operating	30 g peak acceleration 11 msec duration
Nonoperating	50 g peak acceleration, 11 msec duration

Ordering Information

XVME-400	4 Channel RS-232C Serial I/O
XVME-401	4 Channel RS-422A Serial I/O
XVME-931	2 Channel RS-232C Cable for XVME-400
XVME-932	2 Channel RS-422A/485 Cable for XVME-401
XVME-490	6U Version of XVME-400 with I/O Routed to the VMEbus P2 Connector
XVME-491	6U Version of XVME-401 with I/O Routed to VMEbus P2 Connector

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