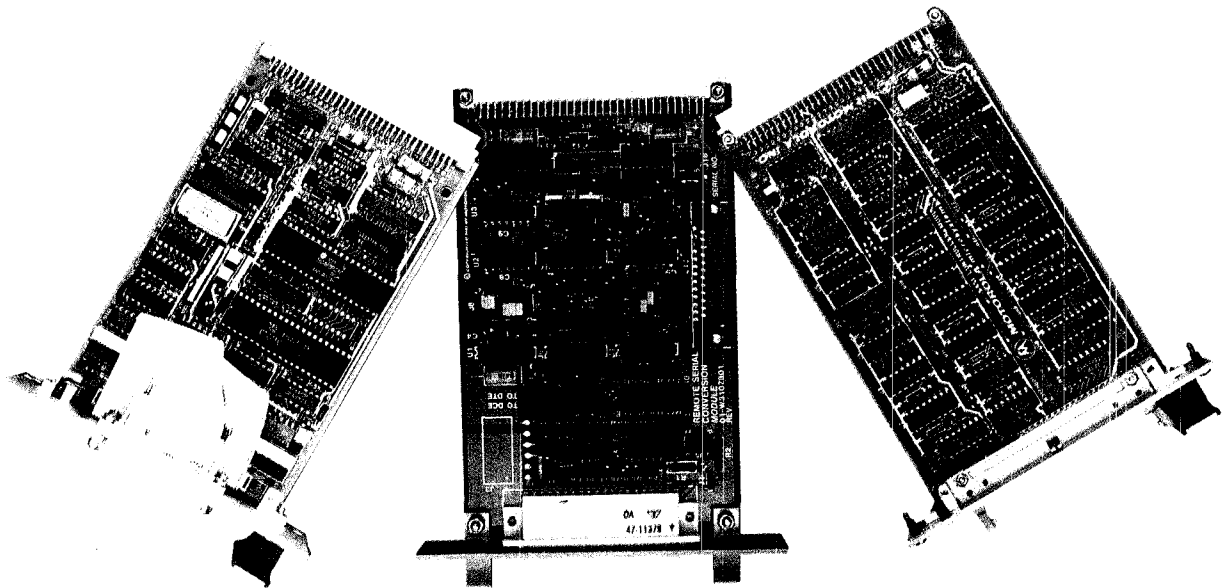


I/O modules



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Attach a number of high-performance microprocessors to a common bus, (in a complex multiprocessor system) and you generate a considerable amount of bus traffic. Load the bus, further, with all the peripheral equipment associated with all the processors, and you can create a traffic jam on the main bus that can significantly slow down an entire operation.

Enter the I/O Channel!

The I/O Channel is an advanced architectural feature of VME module and VERSA module systems that permits peripherals of a particular MPU to work on a totally separate bus, dedicated to that MPU exclusively. Thus the main systems bus remains unclut-

tered by time-consuming processes that can be separately managed by each processor.

The I/O Channel has a 12-bit address bus, 8-bit bidirectional data bus, 4K bytes of memory-mapped I/O, and a data transfer rate of up to 2 Megabytes per second.

Motorola I/O modules cover the gamut of Input/Output applications, from general-purpose parallel and serial adapters to dedicated end uses. A number of them are in the Eurocard Format for direct mechanical compatibility with VME module Eurocard packaging.

Dual Channel RS232C Communications Module

— Provides two I/O Channel compatible, full duplex, serial I/O ports; software and jumper selection enables sync/async baud rates of 50 to 19.2K-bits as a terminal or modem.

MVME400

Dual 16-Bit Parallel I/O Module — Provides four independent 8-bit ports with 2 handshake lines per port. Outputs provide Centronics type parallel interface for 2 printers.

MVME410

SASI (Shugart Associates System Interface) Bus Peripheral Interface Adapter Module

— Provides single host non-arbitrating SA400 disk controller interface for I/O Channel.

MVME420

Magnetic Tape Interface Adapter Module — Provides buffer 1/2" 9-track, 4K-bit FIFO buffer and interface for two industry standard 9-track 800/1600 bpi magnetic tape formatters, each controlling four 25-/125-ips tape drivers in start stop mode.

MVME435A