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Find the *DSPCon 9245* at our website: *Click HERE*

Model 9245VME

Powerful Data Moving Engine for Real-Time Applications



DSP*Con*'s Model 9245 is a single 6U VME card, which provides high speed data moving and signal processing. With six popular industry standard connections, the 9245 offers a low cost, COTS-intensive, system building core for a variety of real-time applications. On board interfaces include IP (industry pack), full VME, 10/100 Mbit Ethernet, RS-232, MIX, and dual PMC (PCI) sites. Supported PMC modules include A/D, D/A, SCSI, Fibre Channel, FPDP, 1553, C6x co-processor, and many others.

The core processor of the 9245 is a 60 MHz Texas Instruments TMS320C40. This 60 MFLOP DSP's six internal DMA controllers simultaneously access all of the board's interfaces as well as large amounts of zero wait state RAM on the 'C40's buses.

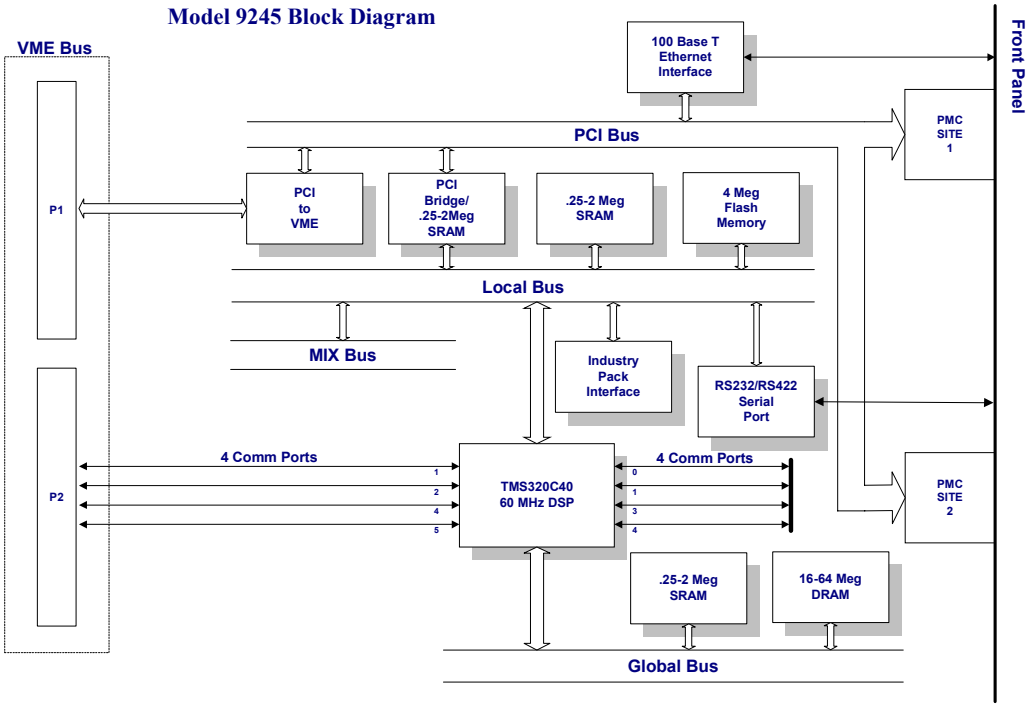
By populating the 9245's daughter sites with a combination of third party I/O, bulk storage and processing cards, the possibilities are endless for a single 6U VME site. In addition, when used with DSP*Con*'s System Builder Libraries software, developers have a comprehensive system-building tool that offers easy integration.



Features

- Industry Pack (IP) Bus
- Dual PMC Interface/PCI Bus
- RS-232 Serial Port Interface
- Flexible VMEbus Control
- Powerful MIX Bus Support
- Six 'C40 Comm Port Interfaces
- Ethernet Interface
- VME Interface
- MIX Interface
- 4 Mbit Program Storage Boots
- Zero-wait state SRAM
- Addresses standard EDO DRAM
- Up to 512 kBytes of SRAM
- Both local & global SRAM operates with zero-wait state performance
- 64 Mbyte of DRAM
- Voltage regulators & reset circuitry
- 512 kBytes of flash memory

Model 9245 Block Diagram



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www.dspcon.com

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Model 9245VME

Power + Modularity = Versatility

Ordering Information

Model
9245

Options	Description
-001	16 Mbyte DRAM
-002	64 Mbyte DRAM
-003	1 Mbyte Local SRAM
-004	2 Mbyte Local SRAM
-005	1 Mbyte Global SRAM
-006	2 Mbyte Global SRAM
-007	1 Mbyte PCI Bridge SRAM
-008	2 Mbyte PCI Bridge SRAM
-009	Comm Ports 0 & 1 available on J3 header
-010	Comm Ports 3 & 4 available on J6 header
-011	VME Bus Interface
-012	32 Mbyte DRAM
-014	Comm Port 4 available on J6 (90 degree header)
-016	Turbo MIX for 4275 and 4277
-020	Transparent VME interface without Tundra
-033	3.3 volt
-59245-S	Board Support Package
-57520-N	SCSI Interface Library for Model 7520-001
-57523-N	Interface Library for Model 7523
-57521-N	Drivers for Model 7521
-59705-N	Drivers for Model 9705
-59810-N	Drivers for Model 9810
-59820-N	Drivers for Model 9820
-59840-N	Drivers for Model 9840
-57526-N	Drivers for Model 7526
-57540-N	Drivers for Model 7540
Model 9745	VME Backplane P2 Comm Port Interface

Interface Specifications

Industry Pack (IP) Bus
Supports 8 and 32 MHz transfers
Comes equipped with up to 512K memory

Ethernet Interface
10/100 Mbit Ethernet Interface
Fiber Channel available soon

RS-232 Serial Port Interface
Uses a 16550 UART
All standard RS-232 hand-shaking signals are brought to the front panel

'C40 Comm Port Interface
Six buffered, high-speed comm ports brought to front panel connectors

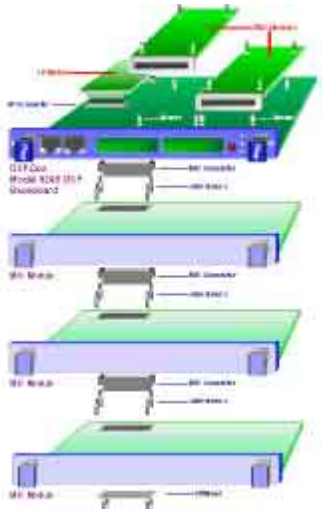
VME Interface
Implemented through Tundra Universe II device and discrete buffer chips sitting on the embedded PCI bus

MIX Interface
Supports up to three industry-standard Intel interfaces and a complete line of MIX products

Flexible VME bus Control
As a bus master, the 9245 can read from and write to the entire 32-bit address space of the VME bus.
As a host controller, it can act as a bus arbiter for multiple bus masters.

Powerful MIX Bus Support
Mapped directly into the 'C40's local bus
32-bit data channel

DSP*Con*'s Model 9245VME is stackable with popular industry modules, as well as with our own 9245 daughter modules.



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