

Power•4C

VMEbus

Single Board Computer

Features:

- PowerPC 604 300MHz
- 64-320MB SDRAM
- 512KB L2 CACHE
- 8.5MB FLASH
- 32KB NVRAM/RTC
- 10BaseT/100BaseTx / AUI
- SCSI-40 ULTRA Fast/Wide
- Two RS-232C Serial Ports
- Two RS-485 Ports
- PMC Slot
- Single VMEbus Slot Width
- Built In Test (BITe)
- VME64 Compliant



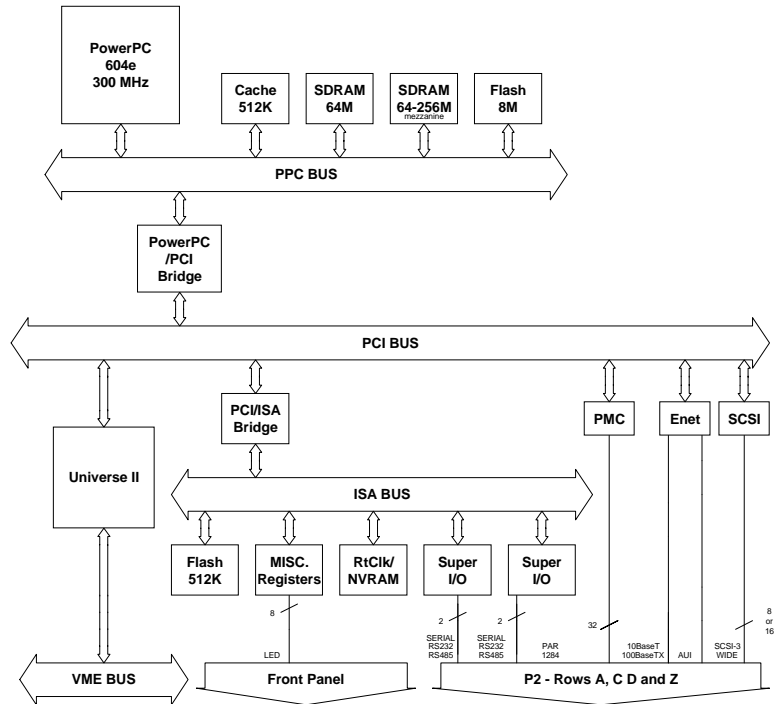
Power•4C™ is a high performance VMEbus single board computer with the PowerPC 604R processor, a 512KB L2 cache, and synchronous DRAM to provide unparalleled performance in a single board computer.

A full complement of I/O capability makes the Power•4C the ideal solution for the systems integrator that needs high performance and a flexible I/O structure. The Power•4C provides AUI, 10BaseT and 100BaseTx ETHERNET, Ultra Fast/Wide SCSI-40, four Serial Ports and a PMC Expansion Slot. The performance and I/O capability can meet the most demanding system requirements.

The Power•4C has a high performance VME64 Master/Slave compliant interface. The PMC expansion slot allows for I/O to the front panel or to the P2 connector. All of the on board I/O is routed to the P2 connector with a transition module available from SBS.

The Power•4C is supported with a full range of real time operating systems and kernels, including: VxWorks, LynxOS, pSOS+ and OpenBSD/RT. An optional full Power On/Built In Test (BITe) is available.

Power•4C Block Diagram



Power•4C Specifications

General	Model	Power•4C
	Form Factor	6U VMEbus Single Board Computer
Processor	Clock Rate	PowerPC 604R 300MHz
	L1 Cache	32KB Data and 32KB Instruction
VMEbus	Controller	Tundra Universe-II
	Configuration	Master/Slave A32/A24/A16,D32/D16/D*(EO),RMW
	Block Mode	Master/Slave BLT and MBLT D64/D32/D16 Transfers
PCibus	Controller	MPC106
Memory	SDRAM	64MB Synchronous DRAM on Base Board, 320MB Maximum with Mezzanine
	L2 Cache	512KB Pipelined Burst SRAM - Write Through and Copy Back Modes
	FLASH	64Kx72 9ns achieves 2-1-1-1 access times 512KB Boot Prom - 32 pin PLCC, socketed device 8MB soldered on FLASH, 1M x 64 with 256KB sectors
	NVRAM/RTC	32K NVRAM and Real Time Clock with Battery Back Up (removable) Y2K Ready
ETHERNET	Controller	DEC 21143 10BaseT/100BaseTx to P2 or AUJ to P2 (factory option)
SCSI	Controller	Symbios Logic 53C875 Ultra Fast Wide SCSI-40
Serial Ports	Controller	16550 UARTS
	Type	4 RS-232C or RS-485 (up to 115Kb/s to P2 connector)
Parallel Port	Controller	National PC87334 Centronics Parallel, Bi-direction Connection to P2
PMC Expansion		PMC connection allows IEEE 1386 compatible, single size PMC Module I/O is routed via 3rd connector to P2 Supported PMC's include: FDDI, 1553, SCSI ,PCMCIA ,Graphics and more
Software	BiTe	Built In Test (optional) is available Operating System / Kernel Support for VxWorks, LynxOS, pSOS+, OS-9 and OpenBSD/RT
Electrical	Power	+5VDC @ 25 Watts, +12VDC @0.1 Watts, -12VDC @ 0.1 Watts
Environmental	Temperature	0 to +55C Inlet Air Operating, -40 to +85C Non-Operating
	Cooling	Forced Air 100 LFM Minimum Required
	Humidity	10 to 95% Relative Humidity, Non-Condensing



SBS Embedded PPC Products (formerly V•I Computer)

5791 Van Allen Way, Carlsbad California 92008 • Tel 760 438 6900 • Fax 760 438 6904

Email sales@vicomp.com • Internet www.sbs.com • Toll Free 800-VME-CPUS • 800-863-2787