ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Concurrent Technologies VP PSE/P22* at our website: ***Click HERE***

VME BUS

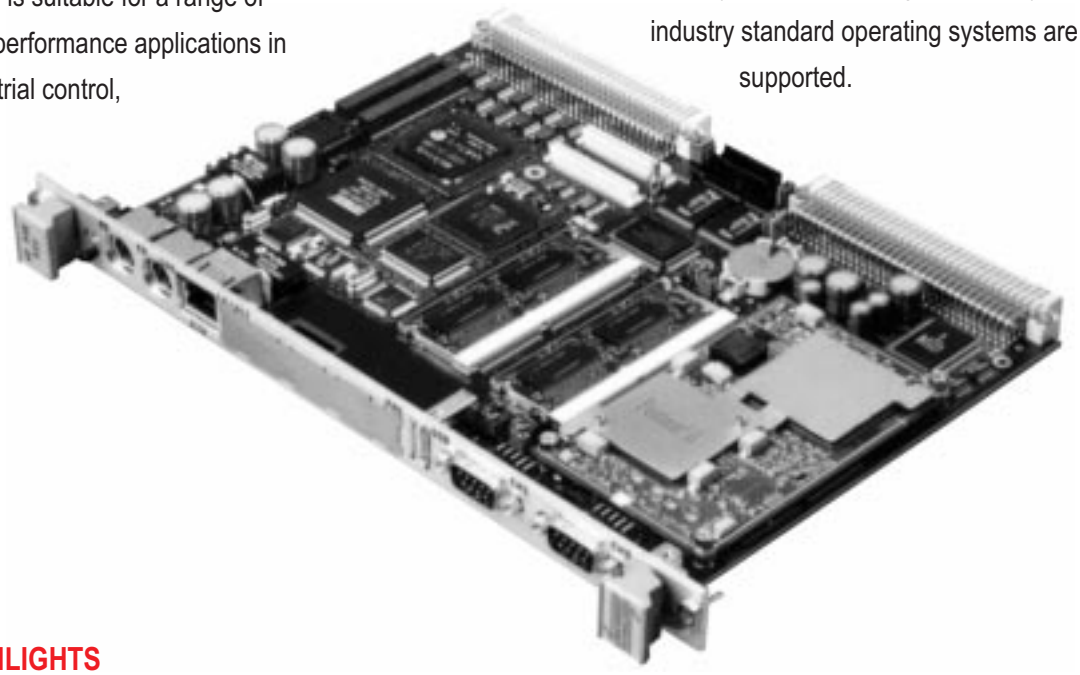
PENTIUM® II SINGLE BOARD COMPUTER

VP PSE/P2x

APPLICATIONS

The VP PSE/P2x is a PC-compatible high performance, high functionality one slot VME-64 single board computer supporting the low power consumption Intel® Pentium® II embedded mobile module. Featuring a selection of memory options together with a variety of interfaces, the board is suitable for a range of high-performance applications in industrial control, telecomms, telemetry, medical, scientific and aerospace applications. Its functionality can be further increased through the use of PMC adapter modules.

To simplify the board's integration many popular industry standard operating systems are supported.



HIGHLIGHTS

- 266MHz or 333MHz Pentium II processor
  - Using Embedded Module
  - No CPU fan needed
- Up to 384 MBytes of Synchronous DRAM
- High performance Ultra-SCSI and/or EIDE interface
- Ethernet 10 Mbps (10Base-T) or 100 Mbps (100Base-Tx) via an RJ45 connector
- High resolution graphics interface (optional)
- Expansion interface to 2-slot PMC Adapter Board
- PC compatible keyboard interface
- PS/2 mouse port
- 8 MBytes of Flash EPROM
- 512 KBytes of BIOS Flash EPROM
- 2 asynchronous RS232 serial channels
- Floppy disk interface
- 1 Parallel Printer Port (ECP, EPP and IEEE1284)
- Watchdog timer
- Universal Serial Bus (USB)
- Support for VxWorks®, Windows NT®, Solaris®, Linux™ and QNX®
- VME-64 Interface supporting A32/A24/A16/D64/D32/D16/D8(EO) and MBLT64
- Single slot
- P2 breakout module for HDD, FDD and parallel port

CONCURRENT TECHNOLOGIES

Concurrent Technologies Inc
Suite 130, 3840 Packard Road
Ann Arbor, MI 48108,
U. S. A.
Tel: (734) 971 6309
Fax: (734) 971 6350

Concurrent Technologies Plc
4 Gilberd Court, Newcomen Way
Colchester, Essex CO4 4WN,
U. K.
Tel: (+44) 1206 752626
Fax: (+44) 1206 751116

Concurrent Technologies SA (Pty) Ltd
19 Frikkie de Beer St.,
PO Box 14232, Hatfield, 0028, Pretoria,
South Africa
Tel: (+27) 12 348 2606
Fax: (+27) 12 348 8367

Email: info@gocct.com http://www.gocct.com

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SPECIFICATION

CENTRAL PROCESSOR
- Pentium II with MMX™ operating at 266MHz or 333MHz:-
  - using an Intel Embedded Module
  - 32 KBytes internal (Level 1) CPU cache
  - 512 KBytes of secondary (Level 2) cache (266MHz)
  - 256KBytes of full-speed Level 2 cache (333MHz)
  - utilizes Intel's 82440BX chipset
  - no CPU fan
  - Pentium II ITP (In Target Probe) debug port

DRAM
- supporting up to 384 MBytes S-DRAM:-
  - 64 or 128 MBytes soldered to board; and,
  - 64, 128, 192 or 256 MBytes provided by 2 x 144 pin SO-DIMMs
- 64-bits wide using 3.3 Volt S-DRAMs
- accessible from Pentium II, PCI bus and VME

HARD DISK INTERFACES
- Ultra-SCSI 8-bit:-
  - single-ended asynchronous or synchronous, with active termination and signal negation
  - utilizing Symbios Logic 33MHz 53C860 SCSI I/O Processor
  - synchronous SCSI data rates up to 20 MBytes/sec
  - accessed via P2 connector
- EIDE interface:-
  - accessed via P2 connector
  - supports Ultra-DMA 33 for high performance drives
  - connects to an optional hard/floppy/flash drive board (Mass Storage Module) (DS MSS/IFP)

ETHERNET INTERFACE
- supports 10Base-T and 100Base-Tx for UTP CAT-5
- implemented by a 21143 LAN Controller
- accessed by an RJ45 front panel connector
- programmable station ID

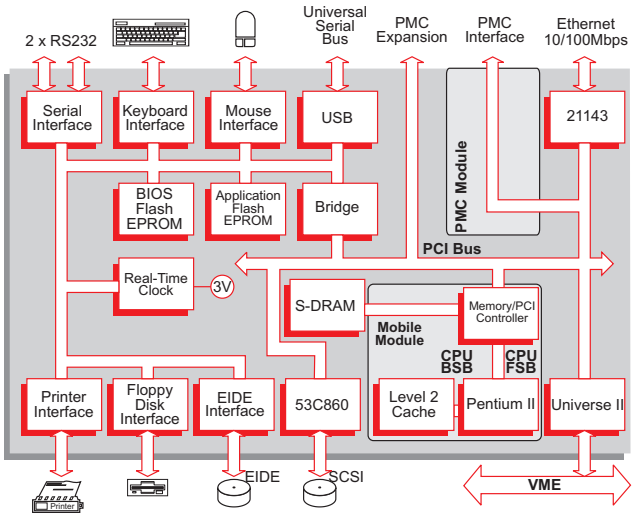
GRAPHICS INTERFACE
- provided by optional PMC Graphics Board

PCI EXPANSION INTERFACE FOR PMC
- 1 x PMC slot with I/O via front panel - within a single VME slot
- provides connection to a PMC Carrier Board (which provides 2 PMC slots - these 2 slots are in addition to the on-board PMC)

SERIAL INTERFACE
- 2 x RS232 serial channels
- 16550 compatible UARTs
- accessed by 2 x 9-pin D-type connectors on front panel

OTHER PERIPHERAL INTERFACES
- keyboard interface via PS/2 type connector on front panel
- mouse interface via PS/2 type connector on front panel
- PC-compatible Real Time Clock
- Floppy disk interface via P2 connector
- parallel printer port interface (ECP, EPP and IEEE1284) via P2 connector
- two USB (Universal Serial Bus) interfaces: one via front panel, other via P2 connector
- Watchdog timer

FLASH EPROMs
- 512 KBytes of BIOS Flash EPROM
- 8 MBytes of Application Flash EPROM



FIRMWARE SUPPORT
- PhoenixPICO™ BIOScomprehensive Power-On Self-Test (POST)

SOFTWARE SUPPORT
- support for VxWorks, Windows-NT, Solaris, Linux and QNX

VME INTERFACE
- implemented using Tundra Universe II device
- VME Master/Slave
- A32/A24/A16/D64/D32/D16/D8(EO)/MBLT64
- auto system controller detect
- full interrupter / interrupt handler support
- 4 x 32-bit mailbox register
- location monitor

ELECTRICAL SPECIFICATION
- all voltages to be within ±5%
- +5V@5.5A (typical with 64 MByte DRAM)
- +12V@0.6A; -12V@0.0A
- +12V and -12V routed to PMC Expansion from VME bus

ENVIRONMENTAL SPECIFICATION
- 0°C to +55°C (operating)
- 10% to 90% Relative Humidity (operating)
- -40°C to +70°C (storage)
- 10% to 90% Relative Humidity (storage)

MECHANICAL SPECIFICATION
- 6U form-factor
- single VME slot - front panel width 0.8inch (20.3mm)
- utilizes a 160-way DIN connector for P1 and P2
  - compatible with normal 96-way DIN connectors

ORDERING INFORMATION

Order Number	Product Description (Hardware)
VP PSE/P22-xx	266MHz Pentium II MMX CPU
VP PSE/P23-xx	333MHz Pentium II MMX CPU
DS MSS/IFP	Mass Storage Module
AD SBC/PMC-00	PMC Carrier Board for 2 PMC modules

Suffix the order number (xx) with the following for selected option

- 1y	SCSI via 96 way P2 connector
- 2y	EIDE via 96 way P2 connector
- 3y	SCSI/EIDE via 160 way P2 connector
where y=	4 64 MBytes
	5 128 MBytes
	6 192 MBytes
	7 256 MBytes
	8 320 MBytes
	9 384 MBytes

All companies and product names are trademarks of their respective organizations.
Specification subject to change; E and OE.

© Concurrent Technologies 1999
Datasheet Code 1361/0599

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP