

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/C13* at our website: ***Click HERE***

Specification Sheet: VP PSE/P33

- High Performance 700MHz Pentium® III VME SBC

CENTRAL PROCESSOR

- Pentium III operating at 700MHz:-
  - using a Socket-370 FC-PGA (Flip-Chip Pin Grid Array) CPU
  - 32 Kbytes internal (Level 1) CPU cache
  - 256 Kbytes of internal secondary (Level 2) cache - called Advanced Transfer Cache - full speed, 256-bits wide, 8-way associative
- supports 100MHz system bus frequencies
- utilizes Intel's 82440BX chipset
- no CPU fan
- ITP debug port for Pentium III FC-PGA

DRAM

- supporting up to 256 Mbytes S-DRAM:-
  - 64 or 128 Mbytes soldered to board; and,
  - 64 or 128 Mbytes provided by a 144-pin SO-DIMM
- 64-bits wide using 3.3 Volt S-DRAMs
- accessible from Pentium III, PCI bus and VME

HARD DISK INTERFACES

- Ultra-SCSI 8-bit and Ultra-Wide SCSI 16-bit:-
  - single-ended asynchronous or synchronous, with active termination and signal negation
  - utilizing Symbios Logic 53C875 SCSI I/O Processor
  - synchronous SCSI data rates

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)

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

FIRMWARE SUPPORT

- PhoenixPICO™ BIOS
- comprehensive Power-On Self-Test (POST)

SOFTWARE SUPPORT

- support for VxWorks®, WindowsNT®, Solaris™, Linux®, MS-DOS® and QNX®

VME INTERFACE

- implemented using Tundra Universe® II device

    - up to 40 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)
- DiskOnChip (optional):
    - available via a 32-pin (DIL) dual-in-line socket

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

- implemented by a Asiliiant Technologies (ex CHIPS®) 69030 providing:
    - 4 Mbytes video memory
    - resolutions up to 1600 x 1200
    - up to 16M colors
    - flat panel supported via DFP (Digital Flat Panel) interface

SERIAL INTERFACE

- 1 x RS232 serial channel
- 16550 compatible UART
- accessed by 1 x 9-pin D-type connector on front panel

- VME Master/Slave
- A32/A24/A16 /D64/D32/D16/D8(EO) /MBLT64
- fast hardware byte swapping
- 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@6.7A (typical with 64 Mbyte DRAM)
- +12V@0.0A; -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

Copyright © 2001, Concurrent Technologies.

Last Updated on: 10 October, 2001

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