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# Press Release: VP PSE/P34

## - 850MHz Pentium® III single-slot VME CPU board

*August 2000:* Concurrent Technologies has released its fourth single slot VME board based on Intel's Flip-Chip Pentium III 850MHz processor. The VP PSE/P34 is a high performance, versatile CPU board, with a variety of extra features. It is an ideal choice as the central processing unit for applications in the telecommunications, defense, industrial, medical and aerospace markets.

The VP PSE/P34 is a superior performance, high functionality CPU board, supporting the new low-power Flip-Chip Pentium III processor which is based on Intel®'s 0.18 micron Coppermine technology and 100MHz system bus. The Pentium III has its own integrated Level 2 cache that operates at full CPU speed. In addition, the new Level 2 cache has been further improved due to Intel's implementation of its Advanced Transfer Cache, which provides a 256-bit data path, 8-way associativity and a reduced latency – all of these features further improve the Pentium III's performance and consequently the board's performance is also improved.

Reliability and maintainability are key design goals for all of Concurrent Technologies' products and to meet this design goal a passive heat sink is used in preference to a CPU fan; a single slot (4HP) solution is also ensured.

The VP PSE/P34 is a PC compatible board. Additional features included on the board are high performance Ultra-SCSI/EIDE, 10 or 100Mbps Ethernet using a RJ45 connector, high resolution graphics, including support for flat panel displays, up to 256 Mbytes of lower cost SDRAM and support for DiskOnChip®. On board fast hardware byte-swapping is also supported. In addition, the board offers PC-compatible features such as keyboard, mouse, USB, floppy disk and printer port.

These features can be further extended by the use of the on board PMC site, and a further 2 PMC modules can be added using an optional PMC carrier board which connects directly to the VP PSE/P334 via the PMC expansion interface. Additional optional products include a Mass Storage Module and CompactFlash™ module.

A wide range of operating systems including Windows 95/98, Windows NT®, Windows 2000®, SCO Unix®, Solaris®, and Linux are supported on the EPC-3322, enhancing the flexibility offered by the controller.

To ensure ease of integration, a wide range of operating systems including Windows NT®, VxWorks®, Solaris™, Linux® and QNX® are supported.

For further information on the VP PSE/P34, or any of Concurrent Technologies' range of VME boards, please contact:

The VP PSE/P34 available in September 2000.

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