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Find the *Mercury Computer Systems / Themis USP-2* at our website: *Click HERE*

USP-2
Dual 400 MHz UltraSPARC™ II

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- Dual 250/300/400 MHz UltraSPARC(R) II
- 17.2 SPECint95, 22.3 SPECfp95 (estimated/single 400 MHz)
- Sun Ultra 2 Model 2300 Workstation Compatible
- 512 Mb. to 2 Gb. DRAM Configurations
- Up to 2 Mbyte Extended Cache per 300/400 MHz Processors
- One SBus and one UPA64 for Creator and Creator Elite or Two SBus Slots
- Dual 10/100BaseT Fast Ethernet Port
- Dual Fast/Wide SCSI-2 Port
- Two Multiprotocol Serial Ports
- Tundra Semiconductor VME64 interface
- IEEE 1284 Bi-directionnal Parallel Port
- Keyboard/Mouse Port
- 16 bits Audio Ports
- Solaris 2.5.1, 2.6, 2.7

Themis' USP-2 is the highest performance dual-processor SPARC-based VME engine available.The 400 MHz (17.2 SPECint95/ 22.3 SPECfp95 estimated) UltraSPARC II processor offers proven performance for a wide variety of applications including telecommunications, Federal systems and traditional VME embedded processing.

The **USP-2** is a multi-slot VME module that implements a dual MP Ultra-2 architecture. Its pluggable UltraSPARC II UPA processor module from Sun Microelectronics enables performance upgrades and simplifies maintenance. The **USP-2** supports both single and dual processor versions, and a single processor board can be upgraded to a dual processor system. The **USP-2** is functionnaly equivalent to Sun Microsystems' Dual MP Ultra-2 Model 2300 Workstation.

The **USP-2** consists of a System Board and an I/O Board. The I/O subsystem provides a full compliment of workstation I/O functions, including a keyboard/mouse serial port, two multiprotocol serial ports, two fast Ethernet ports, two Fast/Wide SCSI 2 ports, a parallel port or floppy port, and a CD quality audio port. The I/O Board also provides a VME64 interface to the backplane via the Themis VSIC Module either one UPA64S graphics expension slot for Creator Graphics card and one SBus slot or two SBus expansion slots.

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The **USP-2** supports Solaris 2.7, the Industry's leading Unix operating system. Solaris 2.7, SunSoft's latest release, is today's preferred desing-in choice, with advanced multi-threading, more real-time performance, higher reliability, and a wide choice of off-the-shelf thrid-party software.

The **USP-2** is the first multiprocessing SPARC engine in a family designed with the innovative, high performance UltraSPARC architecture. Developed in partnership with Sun Microelectronics, Themis provides world-class, licensed Sun Microsystems technology to the embedded systems designer.



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