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USPIIe-USB



Themis Computer's new USPIIe-USB™ is a family of high-performance VMEbus computer boards based on Sun® Microsystems' most advanced 64-bit embedded SPARC superscalar processors. The USPIIe-USB provides users with 550-MHz, 600 MHz, and 650-MHz UltraSPARC™ RISC processing performance options, and Solaris™8 and Solaris 9 compatibility. These high-speed VME 64-bit architecture boards offer users configuration options that deliver maximum I/O flexibility and performance.

Designed for configuration flexibility and high performance, the USPIIe-USB combines the latest 650-MHz 64-bit UltraSPARC® IIi processors with a local PCI bus (PMC) peripheral controller slot and a high performance bridge. The USPIIe-USB is available in one-slot, two-slot, and three-slot configurations. Each of the USPIIe-USB models includes a high performance VME64 interface, dual Ultra2 LVD (80-MB/sec) SCSI ports, up to two 10/100Base-T Ethernet port, and up to six RS-232 serial ports. The affordable USPIIe-USB/1 single-slot model features a compact 6U form factor, low power dissipation, and flexibility for embedded computing applications. The USPIIe-USB/2P2 model facilitates I/O expansion in a two-VME slot configuration. The USPIIe-USB/2P3 is a doublewide configuration providing users three additional PMC slots without the expansion features of the USPIIe-USB/2P2 configuration.

- 6U VME64 engine with 64-bit 550-MHz UltraSPARC IIe or 64-bit 650-MHz UltraSPARC IIi processor technology
- 512-KB L2 cache memory
- High performance Tundra 64x Tundra VME64 interface
- 128-Mbytes to 4-Gbytes SDRAM Memory
- Three (3) USB 1.0 ports (2 on front panel, 1 at rear of board)
- Up to four PMC (3.3/5V) expansion slots: one (1) on baseboard, up to three (3) additional PMC slots on optional I/O expansion boards
- Up to two (2) 10/100Base-T Ethernet ports, one (1) on baseboard, one (1) on optional USPIIe-USB/2P2
- Two (2) 80-MB/sec Ultra2 LVD SCSI ports
- Up to six (6) serial ports: four RS232 Serial ports on baseboard, two (2) additional serial ports on optional I/O USPIIe-USB/2P2 expansion board
- Audio port on optional USPIIe-USB/2P2 - sample rate 48-KHz, 16-bits
- Front-panel software user selectable, 16-position rotary switch on I/O expansion on optional USPIIe-USB/2P2
- USB, IBM PS/2 keyboard and mouse ports
- Injectors - both VME64 and traditional VME injectors are available
- 64-bit Solaris 8 and 9 OS support

for more information download product brochure PDF (820 KB)

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