

Workstation Solutions

Thunder i7525

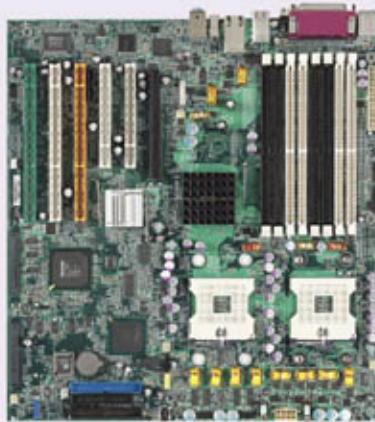
S2676UANRF
S2676ANRF

Dual Xeon based Workstation platform
based on E7525 chipset with PCI Express

- Dual Intel® Xeon™ with 800MHz FSB and EM64T support
- 32GB* DDR2 Reg/ECC RAM
* NOTE: 16GB/32GB must be single rank 2GB/4GB modules.
- (1) PCI Express x16 expansion slot to support high-end graphic cards
- (2) IEEE 1394a (Firewire) ports (one internal)
- (1) Broadcom® PCI Express GbE controller
- (2) Serial ATA ports via Intel® ICH5R support RAID 0,1

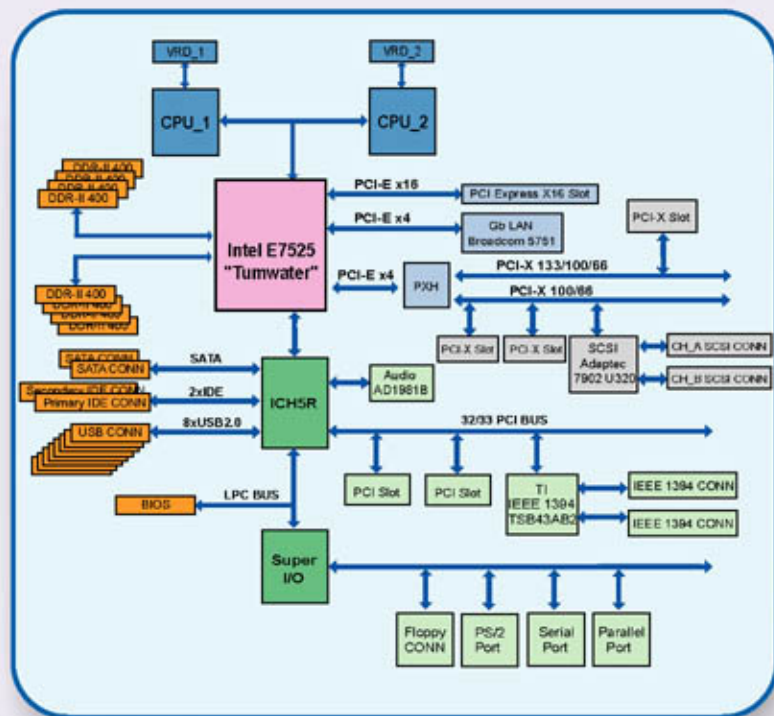
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▲ TOP View

Block Diagram



S P E C I F I C A T I O N

Processors

- Dual mPGA604 ZIF sockets
- One or two Intel® Xeon processors w/EM64T support
- Dual onboard 4-phase VRDs (VRD 10.1 spec.)
- 800MHz Front-Side Bus

Chipset

- Intel® E7525 chipset
- MCH + ICH5R + PXH + FWH
- Intel® PXH supports two PCI-(X) buses
- Winbond Super I/O chip
- Analog Device ADM1027 hardware monitor chip

Memory

- Eight 240-pin 1.8-Volt DDR2-400 DIMM sockets
- Dual channel memory bus
- Supports up to 32GB* DDR2 Reg/ECC RAM

Expansion Slots

- (1) PCI Express x16 high-performance Graphics slot
- (1) PCI-X 64-bit 133/100/66MHz (3.3-Volt) slot
- (2) PCI-X 64-bit 100/66MHz (3.3-Volt) slots
- (2) PCI 32-bit 33MHz (5-Volt) slot
- Total of six usable slots

Integrated LAN

- Broadcom BCM5751 PCI Express Gigabit Ethernet

* NOTE: 16GB/32GB must be single rank 2GB/4GB modules

Integrated Audio

- Intel ICH5R AC'97 compliant audio link
- AD1981B CODEC
- Line-in, Line-out, Mic-in rear vertical jacks
- Dual panel audio header
- One 4-pin CD-ROM audio input header
- One 4-pin Auxiliary header

Integrated SCSI (Manufacturing Option)

- Adaptec 7902 U320 SCSI controller
- Dual-channel Ultra320 SCSI
- 2 x 68-pin internal connectors
- ZCR support

Integrated 1394a

- TI TSB43AB22 single-chip solution
- Two ports (one rear panel connector and one header for the front panel via an optional cable)

Mass Storage I/O

- Two Ultra DMA ATA100-Parallel IDE channels
- Two SATA channels via Intel ICH5R support RAID 0, 1

Integrated I/O

- Six USB 2.0 ports (2 front via opt. cables)
- One serial port
- One ECP/EPP/SPP parallel connector
- Two IEEE1394a (firewire) ports (1 rear connector and 1 front connector)
- Supports one floppy drive
- PS/2 mouse and keyboard connectors

System Management

- 3-pin fan headers with tachometer monitoring
- One 3-pin Chassis Intrusion header
- Temperature, voltage and fan RPM monitoring

BIOS

- Phoenix BIOS on 4/8Mbit Flash ROM
- Supports BIOS Boot Specification v1.1 (BBS)
- Supports ACPI
- Supports SMBIOS v2.3
- Support LAN remote boot (PXE)

Form Factor

- SSI EEB v3.5 footprint (12" x 13")
- 8-layer PCB design
- EPS12V "Split Plane" power connectors (24-pin + 8-pin)
- Stacked PS/2 keyboard and mouse ports
- Stacked one serial port and one parallel port
- Stacked Four USB2.0 ports
- One RJ45 LAN port with LEDs
- One IEEE-1394 port
- SPDIF-out digital port
- One audio Line-in, Line-out, and Mic-in vertical jacks (Amplifier integrated)

Regulatory

- FCC DoC (Declaration of Conformity)
- European CE (Declaration of Conformity)

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