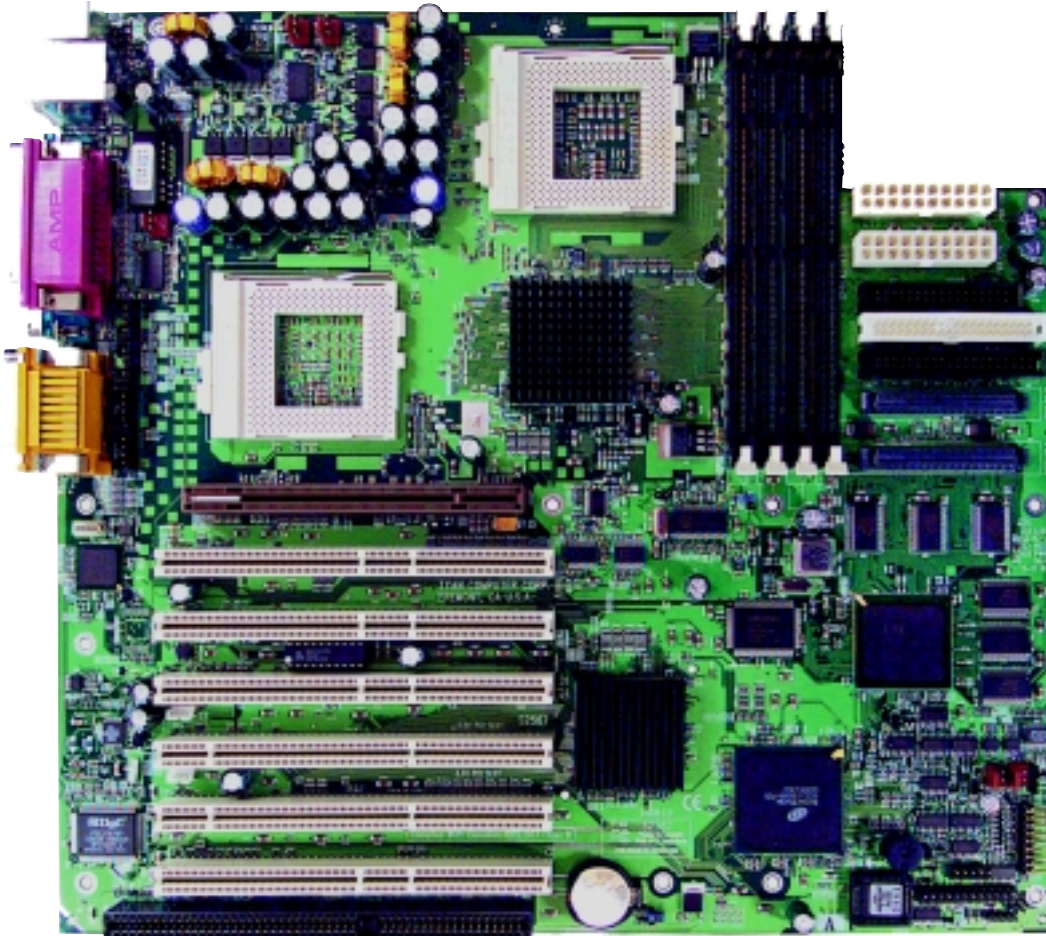


# Thunder HESl

S2567



The Thunder HESl is designed for mission-critical server and workstation applications requiring the power of dual Intel Pentium III processors. With six 64-bit PCI slots, the Thunder HESl provides maximum expansion, and superior I/O bandwidth in an Extended ATX form factor.

This advanced system board also features a 10/100BaseT LAN connection, dual-channel Ultra160 SCSI controller, AGP Pro slot and more. These features, along with support for 4GB of Registered SDRAM, make our Thunder HESl the ideal choice for server and workstation applications.

## Processor

- Dual PGA370 ZIF sockets
- Supports up to two Intel Pentium III processors (FC-PGA)
- Two onboard VRMs (VRM 8.4 spec)
- Front-Side Bus support for 100MHz and 133MHz

## Chipset

- ServerWorks ServerSet HE-SL chipset
- Integrated IOAPIC supports full 32-APIC entries
- Full peer-to-peer support
- SMsC FDC37B787 Super I/O ASIC

## Memory

- Four 3.3v 168-pin DIMM sockets
- Supports up to 4GB of PC133 Registered SDRAM
- Support for ECC (72-bit) memory modules

## Expansion Slots

- One AGP Pro slot; supports 2x AGP mode
- Two 64-bit 66MHz (3.3-volt) PCI slots
- Four 64/32-bit 33MHz (5-volt) PCI slots
- One 16-bit ISA slot (shared w/ a PCI slot)
- Total of seven usable slots

## Integrated I/O

- One floppy connector supports up to two drives
- Two 9-pin 16550-based serial ports
- One 25-pin SPP/ECP/EPP parallel port
- Two USB ports
- PS/2 keyboard and mouse and ports

## Integrated PCI IDE

- Dual-channel master mode
- Up to four Enhanced IDE devices
- Support for DMA IDE and ATAPI compliant devices

## Integrated LAN

- Intel 82559 LAN controller
- 10/100Mbps data transfer rate

## Integrated SCSI

- LSI SYM53C1010 controller
- Dual-channel Ultra160 SCSI support
- 160MB/sec maximum data throughput
- Supports up to 15 LVD SCSI devices per channel
- Channel A: 68-pin connector
- Channel B: 68-pin connector

## Integrated Audio

- Creative Labs PCI ES1373 controller
- AC'97 codec
- Line-in, Line-out, Mic, and Game/MIDI ports
- 4-pin CD-ROM audio header (ATAPI)

## Hardware Monitoring

- 3-pin fan monitoring headers
- 2-pin chassis intrusion header
- CPU temperature and voltage monitoring

## BIOS

- AMI BIOS on 4Mb Flash ROM
- User settings for hardware monitoring
- Auto-configuration of IDE hard drive types
- Multiple boot options
- DMI 2.0 compliant

## Form Factor

- Extended ATX footprint (13" x 12")
- Dual 20-pin ATX power connectors
- Stacked parallel (one) and serial (two) ports
- Stacked USB (two) and RJ-45 LAN (one, w/LED) ports
- Stacked Line-In / Line-Out / Mic-In / MIDI ports
- Stacked keyboard and mouse ports

## Regulatory

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



Specifications are subject to change without notice. Item pictured may only be representative.



**Worldwide Headquarters**  
Tyan Computer Corporation  
3288 Laurelview Court  
Fremont, CA 94538 USA  
Tel: 510.651.8868  
Fax: 510.651.7688

**Tyan Japan - Tokyo**  
Tel: 81-03-3253-0703

**European Headquarters**  
Tyan Computer GmbH  
Cyclostr. 45  
85229 Markt Indersdorf, Germany  
Tel: 49 (0) 8136-9395-30  
Fax: 49 (0) 8136-9395-44

**Tyan China - Beijing**  
Tel: 86-10-8288-4256

**Asia-Pacific Headquarters**  
Tyan Computer Taiwan  
7th Floor, No 187 / Tiding Blvd, Sec 2, Nei-Hu  
Taipei, Taiwan, R.O.C.  
Tel: +886-2-8751-2200  
Fax: +886-2-8751-2211

For more information on Tyan products, visit our corporate web site at [www.tyan.com](http://www.tyan.com).