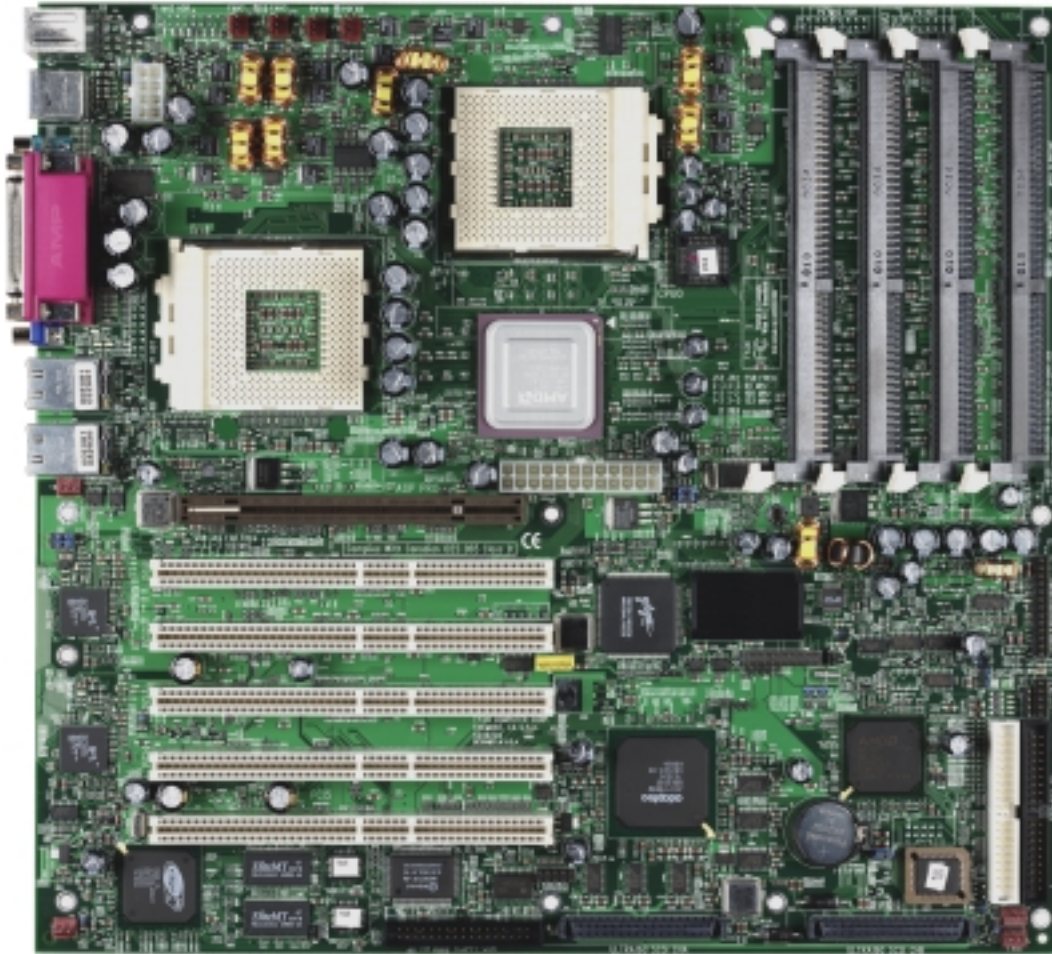# Thunder K7

S2462

Tyan's Thunder K7 is the world's first dual-processor platform for the AMD Athlon MP processor. This high-quality, feature-rich system board provides cutting-edge performance for today's most demanding workstation and server applications, and includes powerful connectivity and management features. The Thunder K7 features the AMD-760 MP chipset, support for DDR memory, 64-bit PCI slots, AGP Pro slot (as well as integrated VGA), dual 10/100BaseT LAN controllers, dual-channel Ultra160 SCSI, ATA-100 support, optional server management and more.

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Processor
- Dual PGA462 ZIF sockets
- Supports up to two AMD Athlon MP Processors
- Two onboard VRMs
- System bus support for 200MHz and 266MHz

Chipset
- AMD-760 MP chipset
- AMD-762 north bridge and AMD-766 south bridge
- Winbond W83627HF Super I/O ASIC

Memory
- Four 2.5v 184-pin DDR DIMM sockets
- 25-degree angled sockets enable rackmount installation
- Supports up to 3GB of PC2100 Registered DDR RAM
- Supports ECC (72-bit) memory modules

Expansion Slots
- One AGP Pro slot; also supports 4x AGP
- Five 64/32-bit 33MHz (5-volt) PCI slots
- Total of six usable slots

Integrated I/O
- One floppy connector supports up to two drives
- One 9-pin 16550-based serial port
- One 25-pin SPP/ECP/EPP parallel port
- Four USB ports (two via optional cable)
- PS/2 keyboard and mouse ports

Integrated PCI IDE
- Dual-channel master mode
- Up to four Enhanced IDE devices
- Support for ATA-100/66/33 IDE and ATAPI compliant devices

Integrated SCSI (manufacturing option)
- Adaptec AIC-7899W controller
- Dual-channel Ultra160 SCSI support
- 160MB/sec maximum data throughput per channel
- Supports up to 15 LVD SCSI devices per channel

Integrated LAN
- Two 3Com 3C920 LAN controllers
- 10/100Mbps data transfer rate per controller

Integrated 2D/3D Graphics
- ATI RAGE XL graphics controller
- 4MB frame buffer (SDRAM)
- Standard 15-pin analog VGA port

Server Management (OEM option)
- Supports the Intelligent Platform Management Interface (IPMI)
- Q-Logic Zircon Baseboard Management Controller (BMC)
- Support for IPMI, SDR, SEL, FRU
- I^2C and IPMB

Hardware Monitoring
- Winbond W83782D hardware monitoring ASIC
- 3-pin fan monitoring headers
- CPU temperature and voltage monitoring

BIOS
- Phoenix BIOS on 4Mb Flash ROM
- Supports APM v1.2 and ACPI v1.0
- 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", 330.2mm x 304.8mm)
- One 24-pin and one 8-pin power connectors
- Stacked parallel (one), serial (one) and VGA (one) ports
- Stacked USB (two) ports
- Side-by-side LAN (two) ports
- Stacked keyboard and mouse ports

Regulatory
- FCC Class B (Declaration of Conformity) certified
- European CE (Declaration of Conformity) certified

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

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