# PREMIUM KS

## THE HIGH-PERFORMANCE ENTERPRISE-LEVEL SERVER

AST COMPUTER

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The AST Premium® KS is a new line of high-speed, fault-tolerant, quad Intel® Pentium® Pro processor capable servers. This high-end server product platform is designed for running the most demanding enterprise-level applications and is perfect for mission-critical online transaction processing, data warehousing, Internet or multimedia services. The Premium KS also offers peace of mind with numerous redundant components and power supplies; 12 "hot-swappable" SCSI drive bays for upgrades and changes on the fly; and extensive manageability and monitoring features. Backed by AST's standard three-year, next-business-day, on-site response warranty that includes a dedicated, toll-free server "hotline" available 24 hours a day, 7 days a week and the optional Guardian Care℠ 4-hour, on-site response program, the Premium KS provides the performance and reliability that a successful business requires.

- Includes 12 "hot-swappable" SCSI drive bays and RAID solution to minimize lost information
- Ample room for third party card expansion with six PCI slots and four EISA slots
- Redundant power supply option and three cooling fans with rotation sensing that ensures system stability and high availability
- Up to 4 GB DRAM is supported in an easily-accessible memory card
- Comprehensive SNMP-compliant systems monitoring and management software can alert management in the event of memory, power supply, fan rotation or temperature anomalies
- Built-in management circuitry and Intel LANDesk® Server Manager software allow remote troubleshooting and reduce support costs

## PREMIUM KS FEATURES

**PROCESSOR/CACHE:**
- 200 MHz Intel Pentium Pro processors
- Two processors standard
- Upgradable to four
- Each processor has 512 KB cache integrated

**MEMORY CARDS:**
- 2 GB board supports up to sixteen 72-pin sockets for tin-lead DRAM SIMMs (standard)
- 4 GB board supports up to 32 DRAM DIMMs (optional)
- Real time detection, correct single bit errors
- Detect double bit errors, bad nibble detect

**DRIVE EXPANSION BAYS:**
- Twelve 3.5," 1.6" height SCSI-2, hot-swap hard drives (SCA 80-pin connector)
- Four 5.25" half-height expansion bays
- One 3.5" floppy drive (included)

**COOLING:**
- Redundant fans
- Three fixed speed fans. Any one may fail without loss of system capability

**POWER SUPPLIES:**
- Two 420 Watt redundant
- Third (redundant) supply optional

**DIMENSIONS & WEIGHTS:**
- 26.5" H x 17" W x 22" D
- Weight (packaged): ~150 lbs

**I/O EXPANSION SLOTS:**
- Six 32-bit PCI slots (full-length)
- Four EISA (full-length)

**I/O PORTS:**
- Two on-board Fast/Wide SCSI controllers (Adaptec 7870 compatible)
- IDE controller
- I/O serial ports (COM 1,2)
- One parallel port
- One PS/2 keyboard
- One PS/2 mouse
- SVGA (Cirrus 5424) with 512 KB VRAM expandable to 1 MB

**SERVER MANAGEMENT:**
- Server monitor module (optional)
- Intel LANDesk Server Management Module Connector on board
- Error logging. All critical events to non-volatile memory
- INCA hardware monitoring. Voltage, temperature, chassis intrusion, power cycle, fans

**SAFETY:**
- UL 1950
- CSA 22.2 No. 950-M93 by cUL
- EN 60950 by TUV
- IEC 950 by NEMKO
- EN 60950 and Nordic deviations by NEMKO

**ELECTROMAGNETIC EMISSIONS:**
- Certified to FCC 47 Class B tested, CISPR 22/85
- Complies with Canadian DOC's: ICES-003 via FCC compliance
- Complies with European Directives 73/23/EEC, 93/68/EEC, and 89/336/EEC via standards EN60950, EN55022, EN50082-1, EN50082-2 and EN61000-3-2

**BIOS:**
- Enhanced AMI
- 512 KB
- Flash update for Spanish, German, French, Italian, English
- Key BIOS features: error logging, Flash ECU, inactivity lockout, reset disable, boot restriction, fault resilient booting, console redirection

**SECURITY:**
- Front door lock, padlock loops-side panels
- Hot-swap disk bays behind metal door with provision for padlock
- Chassis intrusion: sensors on doors/panels
- Keyboard lockout mode in BIOS OS Certifications: Latest Versions: Microsoft® Windows NT,® Novell® NetWare® and IntranetWare™



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*Working for your business.™*