

PREMIUM KS

THE HIGH-PERFORMANCE ENTERPRISE-LEVEL SERVER

The logo for AST Computer, featuring the letters "AST" in a bold, italicized, sans-serif font, with a registered trademark symbol (®) to the upper right. Below "AST" is the word "COMPUTER" in a smaller, all-caps, sans-serif font.

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PREMIUM KS

THE HIGH-PERFORMANCE ENTERPRISE-LEVEL SERVER

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™



WORLDWIDE HEADQUARTERS

AST Research, Inc.
16215 Alton Parkway
Irvine, CA 92618-3618
In the U.S. and Canada
Call 1 (800) 876-4278
International inquiries
Call (+1) (714) 727-9292

WORLDWIDE WEB ADDRESS:
<http://www.ast.com>

AFRICA
Tel: (+44) 181-587-3000

AUSTRALIA
Tel: (+61) 2-9952-6400

CANADA
Tel: (+1) (905) 507-3278

CHINA, PEOPLE'S
REPUBLIC
Tel: (+86) 10-6849-8318

FINLAND
Tel: (+358) 9-5492 5400

FRANCE
Tel: (+33) 1-47-52-22-22

HONG KONG
Tel: (+852) 2806-4333

INDONESIA
Tel: (+62) 21-526-7951

ITALY
Tel: (+39) 2-269751

LATIN AMERICA/MEXICO
Tel: (+1) (972) 702-0388

MALAYSIA
Tel: (+60)-3-202-3302

MIDDLE EAST
Tel: (+971) 4-816816

NORWAY
Tel: (+47) 66-84 21 00

PAKISTAN
Tel: (+92) 21-577953/576946

SINGAPORE
Tel: (+65) 4711312

SWEDEN
Tel: (+46) 8-473 73 00

SWITZERLAND
Tel: (+41) 1-744-58-58

U.K./EIRE/EUROPE
Tel: (+44) 181-587-3000

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