BRAVO MS

THE ULTIMATE IN POWER AND DESIGN

BRAVO MS 5200

AST

AST
COMPUTER

B R A V O   M S

THE NEW STANDARD IN CORPORATE DESKTOPS

Technology is ever-changing. And AST® has made it easier for you to transition and keep up, with the Bravo MS. Its absolute, leading-edge capabilities and design buy you more than technology, they buy you time. Because the Bravo MS is as far ahead of today's ever-developing technology as you can get.
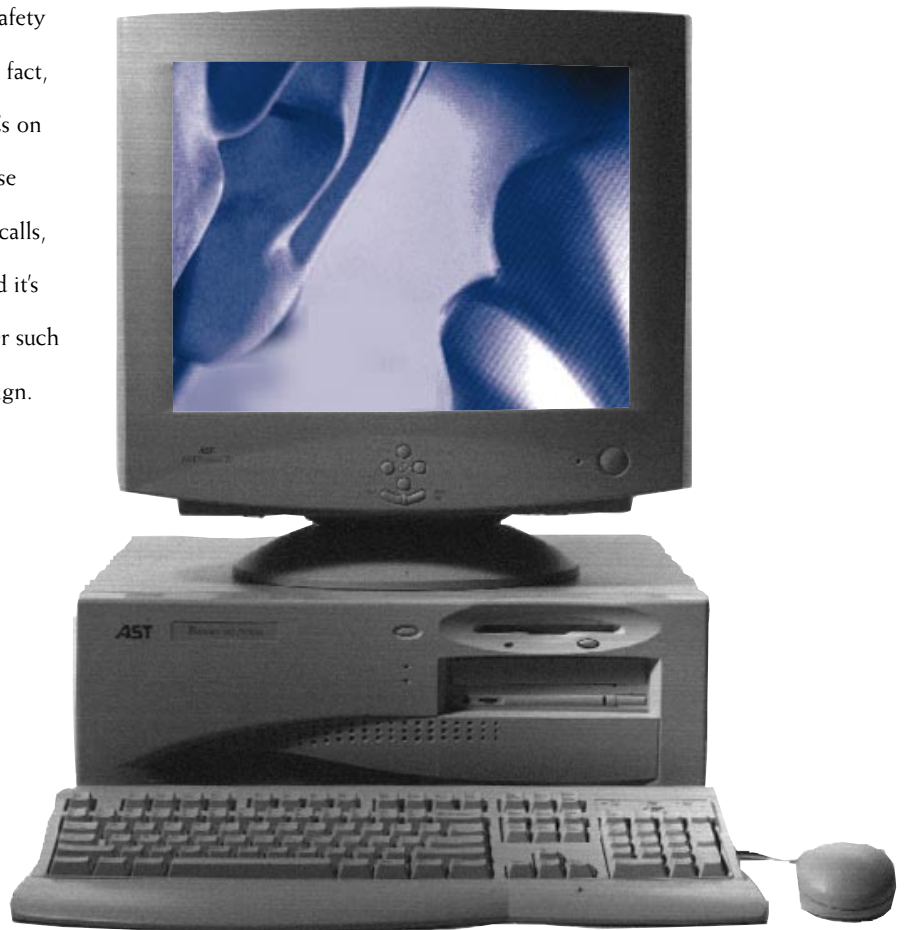
You'll find maximum power, minimum maintenance, and the flexibility to change and to adapt quickly with this incredible AST system. After all, AST is the responsive computer manufacturer dedicated to making the changes our customers need. And the Bravo MS personifies it. With the Bravo MS, you're in command of things you can't normally control. Like sound. You see, in addition to revolutionizing power, performance and design for a high-powered business desktop, it's the first desktop to come with AST's exclusive System Noise Reduction (SNR) technology, making it the truly "Silent PC".

The Bravo MS. Super-powered and ingeniously designed. For the ultimate power system.

WE'VE ADDED ONE LESS FEATURE - NOISE

Environmentally progressive technology has been our hallmark. And today, with the Bravo MS, AST's System Noise Reduction technology significantly lowers the volume of "white noise". Because it runs at about 28 decibels, the Bravo MS far exceeds the National Institute for Occupational Safety and Health's (NIOSH) guidelines. In fact, it's up to 71% quieter than other PCs on the market. There's virtually no noise that can interfere with conference calls, concentration or productivity. And it's the first PC on the market to offer such an environmentally sensitive design.

AST
COMPUTER

- Superior power management, with suspend/resume, soft off and hardware support for wake-on-LAN

- Intel 430TX PCIset and SGRAM- the most advanced core logic and memory bandwidth available for maximum processing performance from the Intel Pentium® processor

- ATI® 3D Rage™ II+ with SGRAM for superior 3D and video texturing graphics performance

- Industry leading brand name software, including Intel LANDesk, McAfee Virus Scan, IBM VoiceType and choice of Microsoft® Windows® 95 or Windows NT®

- S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) allows your hard drive to communi- cate its predicted reliability status

- Sound Blaster®-compatible, 16-bit audio with incredible "3D" sound effects

- Integrated 10/100 Ethernet for a 15% performance enhancement on network-based applications like E-mail and web browsers

I N T R O D U C I N G   T H E   T O O L - L E S S   C H A S S I S !

AST's revolutionary, new FlexChassis is the industry's first NLX design, allowing easy access to the interior with just a push of a button. The motherboard slides out with the flip of a lever.

AST's ground-breaking industrial design dramatically reduces upgrade and service time by needing only seconds to access the 6 major system components; RAM, CPU, CD-ROM, floppy drive, hard drive and video RAM.

B R A N D   N A M E   S O F T W A R E   E X T E N D S   P R O D U C T I V I T Y

As an industry-wide, top-of-the-line solution, the Bravo MS includes exceptional manageability software and support utilities. The industry's most innovative desktop management software utilities include Intel® LANDesk® 3.0, which uses Intel's standard for DMI Asset Management and provides the user with event alerting, self-help diagnostics, and software inventory. You'll reduce downtime, limit the need for IS support and keep cost of ownership in check. McAfee® VirusScan™ protects against all types of viruses, invading both hardware and software, with an astounding 98% detection rate. McAfee WebScan™ adds additional protection for the latest infection pathway -- files downloaded from E-mail and the Internet. There's even IBM® VoiceType® Dictation 3.0 so users can open applications, dictate, send E-mail and more by speaking into the computer!

A L L   T H E   B E S T

Controlling change is never easy. That's why AST designed the Bravo MS to anticipate change and eliminate complexity in making technological transitions. With so many advancements for processing, including UltraDMA-33 and S.M.A.R.T. (Self-Monitoring, Analysis and Reporting Technology) to boost speed and minimize downtime, and the latest in video and graphics, networking, reliability, and more (like the quietest system on the market), you get the best of what's available today. Plus ergonomic design that gives you room to grow - with the easy snap of AST's exclusive FlexChassis engineering.

It's everything you need to meet your company's changing demands. And its business objectives. Quietly. Powerfully. Responsively. Affordably. And only from AST.

QUALITY AND RELIABILITY FROM A WORLDWIDE LEADER

AST Bravo systems come with an excellent warranty and a host of optional warranty programs. With AST, you're not only getting a product from one of the largest and most respected personal computer manufacturers in the world, but you're getting it from a corporation that is dedicated to responding to the needs of our customers. Our number one commitment is to providing the solutions that fulfill your individual needs. Because at AST, our answer is "yes."

FEATURES	BRAVO MS (DESKTOP)	BRAVO MS (MINI-TOWER)
INTEL PENTIUM PROCESSORS*:	• 133 MHz • 166 MHz • 166 MHz with MMX™ technology • 200 MHz • Intel 430TX PCIset	• 166 MHz • 200 MHz • 200 MHz with MMX technology • Intel 430TX PCIset

DISK DRIVES:	• 4 drive bays
	  - One 3.5″ floppy drive
	  - Two 5.25″ external
	  - One 3.5″ internal
		• 6 drive bays
		  - One 3.5″ floppy drive
		  - Three 5.25″ external
		  - Two 3.5″ internal

AST FLEXCHASSIS:	• Mid-size
	• 17.75″ W x 5.45″ H x 17.25″ D
	  (45.0 cm W x 13.8 cm H x 43.8 cm D)
	• Approx. 28 lbs. (12.5 kg)
		• Mini-tower
		• 8.02″ W x 17.5″ H x 17.5″ D
		  (20.3 cm W x 44.5 cm H x 44.5 cm D)
		• Approx. 31 lbs. (13.9 kg)

EXPANSION SLOTS:	• Two 32-bit PCI • One 16-bit ISA • One PCI/ISA shared	• Three 32-bit PCI • Four 16-bit ISA
POWER SUPPLY:	• 200 watt (front panel switch)	• 200 watt (front panel switch) * Models may vary by country.

INCLUDED IN THE BRAVO MS SERIES:

CACHE:
- Primary: Integrated 16 KB (32 KB on MMX technology models)
- Secondary: 512 KB pipeline burst synchronous

GRAPHICS:
- Integrated PCI-based ATI Rage II+ 3D graphics
- 2 MB SGRAM standard, upgradable to 6 MB
- Maximum resolution: 1600 x 1200 NI, 65K colors @ 76 Hz or 1280 x 1024 NI, 16.7M colors @ 75 Hz

HARD DRIVE MODELS:
- 2.0 GB, 3.0 GB
- EIDE Ultra DMA-33
- S.M.A.R.T. Drive technology
- 16X MAX speed EIDE (on some models)

MEMORY:
- 16 MB or 32 MB SDRAM
- 3 DIMM sockets
- Expandable to 256 MB on systemboard
- 168-pin, non-parity, 60 ns SDRAM DIMM

POWER MANAGEMENT:
- Energy Star compliant
- VESA DPMS compliant
- Suspend/Resume
- APM 1.2 compliant
- Soft off
- ACPI support

NETWORK INTERFACE CARD:
- Integrated Intel10/100 Ethernet 10baseT
- Magic Packet technology (provides wake-up signal)

SOFTWARE:
- AST-CommandCenter™ utilities
  Intel LANDesk 3.0
  McAfee VirusScan
  McAfee WebScan
  IBM VoiceType 3.0
  (Microsoft Windows 95 models)
  AST-SystemGuard™
  AST-AudioWorks™– ESS
  AudioRack, ESS AudioRecorder
- Operating Systems
  Choice of Windows 95
  or Windows NT 4.0
- AST FlashBIOS

AUDIO:
- ESS 1868 (16-bit stereo)
- Sound Blaster compatible
- Headphones with built-in microphone (noise canceling microphone on Microsoft Windows 95 models)
- Spatializer® 3D Stereo

STANDARD I/O:
- 2 USB ports
- 2 serial ports (16550 UART)
- 1 parallel port (EPP/ECP)
- 1 PS/2 compatible mouse port

KEYBOARD/MOUSE:
- Standard 101/102-key layout plus three Windows 95 function keys
- Mini DIN connector
- Microsoft mouse

DOCUMENTATION:
- User's manual Microsoft Windows 95 or Windows NT 4.0

HARDWARE MONITORING:
- DMI 2.0 compliant
- Temperature, voltage, fan speed, chassis intrusion

AST COMPUTER®