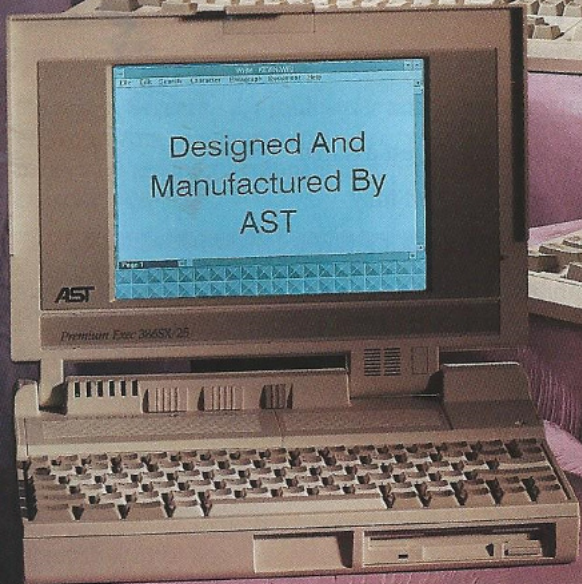
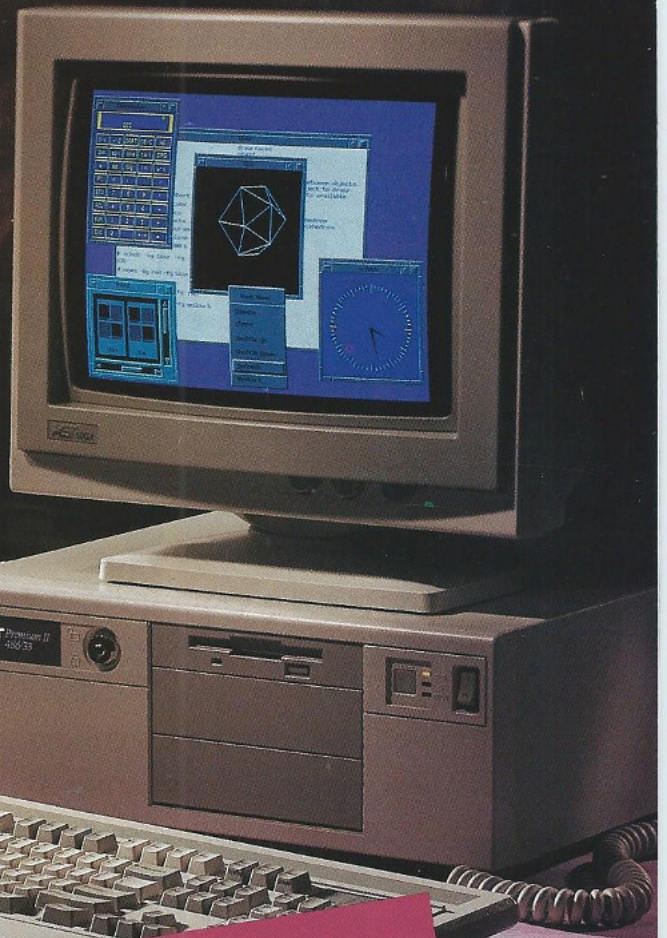
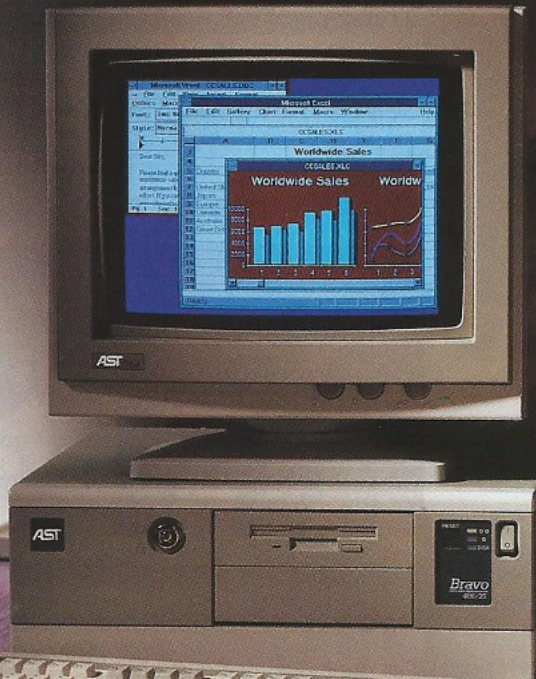


AST[®]
COMPUTER



NEW!
25 MHz 386SX
Premium[®] Exec[™]
Color Notebook
Computers.

To Our Customers.

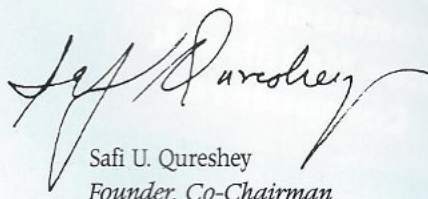
At AST we're always looking for better ways to serve you. That's why we've created this new, colorful, easy-to-read format for our Product Catalog. In it you will find our award-winning selection of PCs covering a wide range of price and performance levels—including our fully upgradable Cupid-32™ Premium® II computers. These solidly-built systems are the cornerstones of AST's twelve-year old reputation as a proven industry leader in quality, reliability and technology. This commitment to excellence is also the reason we recorded over a half-billion dollars in global sales last year alone.

As you look through this catalog you will also notice several new items. Included for the very first time are: a state-of-the-art VGA color screen Premium Exec™ notebook computer; a high-performance, cost-efficient, 486SX-based Bravo workstation; and the newest member of our Cupid-32 family, the Premium II 386/25.

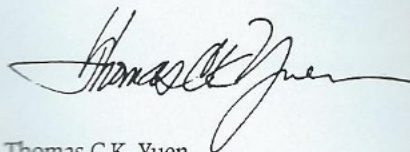
These recent innovations are destined to receive the same honors and accolades garnered by all AST systems before them. At last count, AST computers had earned over 40 major awards worldwide for their design, performance and unbeatable value. When you add this unprecedented critical acclaim to AST's outstanding service and support programs, you begin to understand why AST is regarded by many as the model of a customer-oriented company. In fact, AST is in the top ranks of computer manufacturers when it comes to customer satisfaction—outperforming both IBM® and Compaq®. With that in mind, it's no surprise that 65% of the Fortune 500 companies are using AST computers.

Whether you're a part of a small company or a major corporation, you can rest assured that whatever products you purchase from AST have been carefully engineered and fully tested to ensure your total satisfaction. If you have any questions or should you require further information, please don't hesitate to contact your local AST Authorized Reseller. Or call us directly at 1-800-876-4AST.

Sincerely,



Safi U. Qureshey
Founder, Co-Chairman



Thomas C.K. Yuen
Founder, Co-Chairman



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9 Premium Exec Notebook Computers. AST's newest line of computers delivers the productivity and power of your office PC in a lightweight, portable package, including color-display models.



12 Bravo Systems. Our Bravo family offers an unbeatable balance of performance, reliability and value. For performance without a high price, "Just say Bravo!"

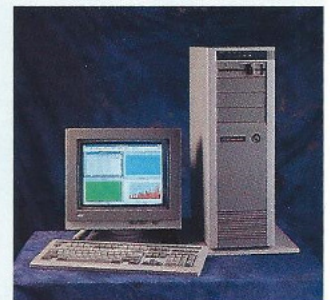


15 Premium II Desktop Systems. Designed for the new office standard, the Premium II desktop family features Cupid-32 upgradability in an ergonomic, small-footprint chassis.



19 Premium EISA Desktop Computers. AST's original, award-winning Premium design in a desktop computer featuring the extra performance capabilities of Extended Industry Standard Architecture (EISA).

21 Premium Servers. For multi-user and networking environments, our Premium Server systems offer maximum reliability, compatibility, performance and capacity.



24 Medallion™ CAD Series. The first fully integrated, PC-based hardware solution features the combined excellence of AST computers and CalComp computer graphics products.



26 Monitors & Graphics Adapters.

27 Enhancement Products.

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29 Quick Reference Charts.

AST: Bringing World Class Computers To The World.

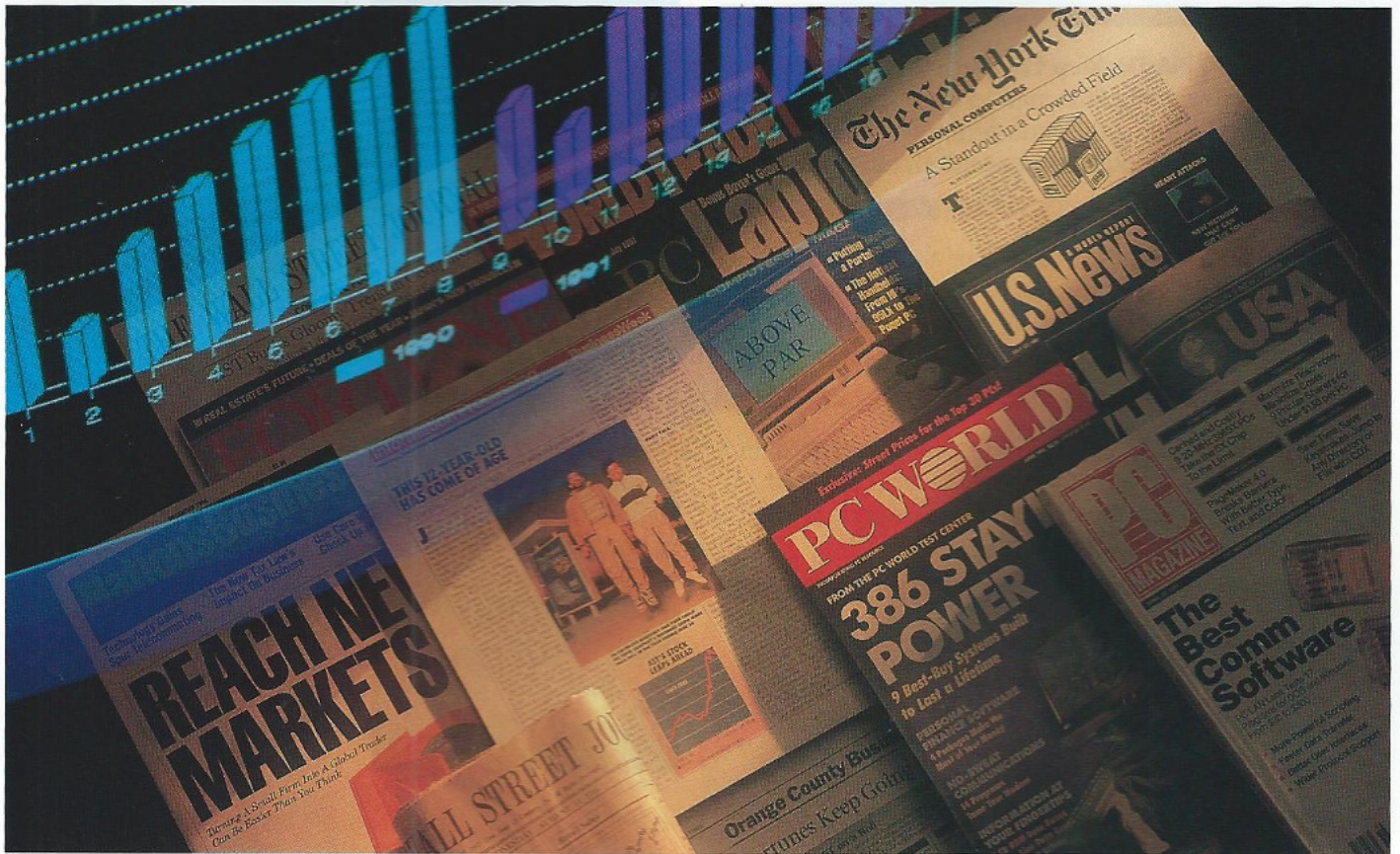
4

Quality. It's what you consistently receive when you buy AST products. It's also a commitment to excellence made by employees in every department throughout the company. Beginning with engineering and design, AST employees incorporate the very latest technology and innovation into every AST computer. We follow through with state-of-the-art manufacturing methods and facilities, and we continue to offer high quality even after you've purchased your computer, with AST's world-renowned service and support programs.

Standards like these have made AST a world leader in innovative computer technology. Our complete line of products includes the Premium Exec Notebook Series, Cupid-32

Premium Series, Bravo Systems, Premium Servers and the Medallion CAD Series. With more than 3,000 employees in 33 offices and subsidiaries, we continually deliver this technology into the hands of people in more than 100 countries around the world.

Throughout the world, our computers consistently receive rave reviews. In fact, *USA Today* recently quoted a Gallup Poll ranking AST computers among the top three in computer sales. And *Computer Reseller News* places AST in the top three in actual computer use. We've received other accolades as well. AST products have won more than 40 awards from some of the most respected national and international publications. And every member of our Premium family has re-



State-Of-The-Art Design And Manufacturing.

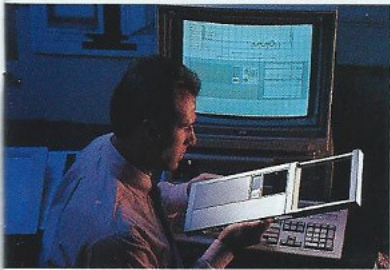
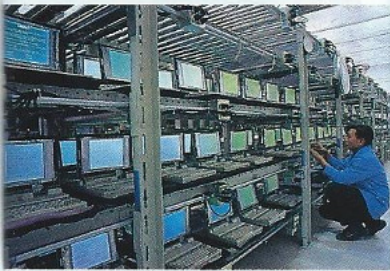
ceived a noteworthy award from a major industry publication.

What is all the praise about? Innovative designs, for one thing, such as our patented Cupid Technology, which is built into our Premium line of high-performance systems, and allows you to upgrade to faster processing power easily and quickly.

Our Premium Exec Notebook Computers have received praise as well. In fact, *PC Laptop Magazine* recently named the Premium Exec 386SX/20 its "Notebook of the Year."* Offering powerful computing in a portable package, the Premium Exec is the first notebook to be designed and built in the United States. And with AST Premium Exec, you know that everything is designed and built by AST. We don't rely on

other companies to provide electrical and mechanical components, software or tooling. That's an accomplishment that provides savings we're proud to pass on to our customers.

More than 400,000 square feet of engineering and manufacturing facilities are dedicated to building every AST computer. All over the world, from the United States to Hong Kong to Taiwan, these facilities house designers, engineers and others who are constantly working to make our computers more efficient, more reliable and more innovative. We're one of only a few companies with the facilities to design key components such as ASICS



*December, 1991

Corporate Capabilities.

Unsurpassed Reliability And Compatibility.

6

(Application Specific Integrated Circuits) and BIOS (basic input/output systems). Many manufacturers purchase these components from third-party suppliers, but by designing our own, we're able to deliver a more reliable computer to you at a lower cost, and with more of the features you want.

There's another reason why AST computers are so popular. AST has one of the highest reliability records in the industry. Behind this reliability, you'll find one of the most demanding quality assurance programs.

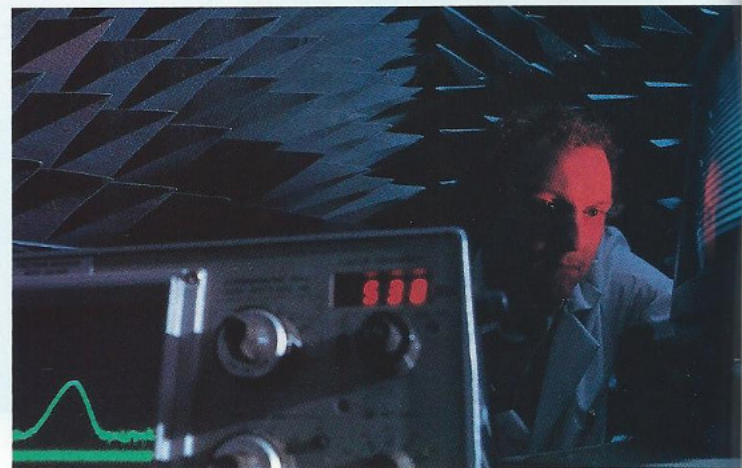
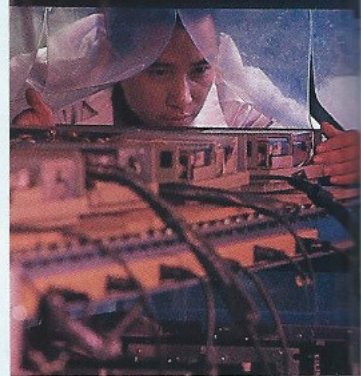
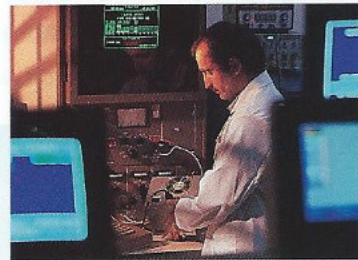
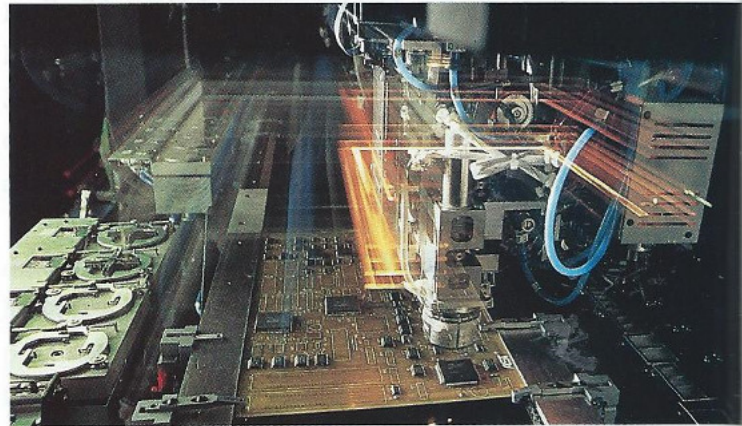
Our Systems Integration and Test (SIT) Lab is dedicated to scrupulously testing AST systems with an extensive mix of hardware and software. And our corporate quality assurance program insures the very best quality and the most reliable products.

Our reputation for reliable computers also refers to AST's compatibility with popular software programs. We've forged solid working relationships with industry leaders such as IBM®, Novell®, Microsoft®, SCO® and Banyan®, so you can trust your AST computer to work with a wide selection of operating systems and application software.

Tested & Qualified



Microsoft



World-Renowned Service And Support Programs.

People trust the superior design, manufacturing and testing that go into AST computers. But one of the most important tests comes after you've purchased your AST computer. When you have a question you need answered quickly, or you need service or technical support, a company's fast and knowledgeable response to your request can be crucial. Once again, you can trust AST. Our support personnel are some of the most experienced, well-

Support You Can Count On 24-Hours A Day.

AST On-Line! (714) 727-4723

AST Info-Fax (714) 727-4773

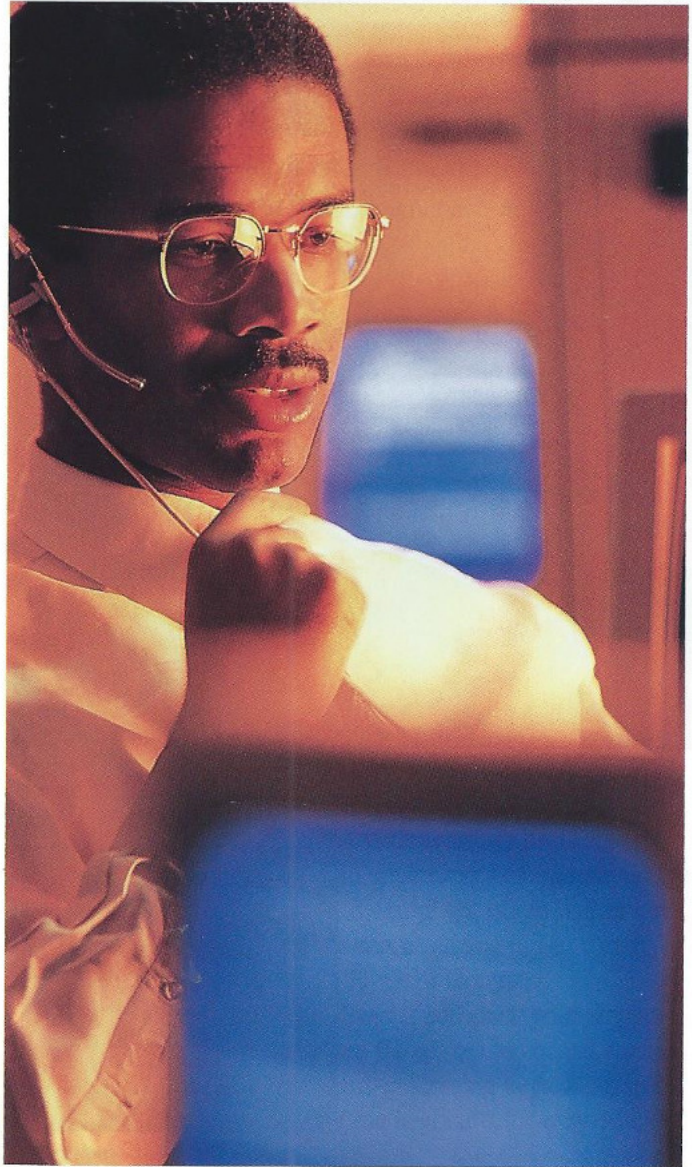
AST On-Line! is a 24-hour electronic reference library providing listings of AST Authorized Service Centers, AST technical and software bulletins, product announcements and much more.

Or to access this information by fax, contact AST Info-Fax anytime 24-hours a day.

informed computer professionals in the business. And we offer a complete array of service programs including worldwide authorized service centers and direct, toll-free support (U.S. and Canada only). We also offer an ExeCare™ program with 24-hour service for Premium Exec notebook computers (U.S. and Canada only). And our Electronic Bulletin Board service is available in major cities throughout the world.

Our award-winning service and support programs are some of the reasons why in a survey by J.D. Power, small and medium-sized businesses ranked AST in the top group of computer manufacturers in customer satisfaction.* We also received very high marks in customer support and quality.

*This survey ranking does not constitute an endorsement by J.D. Power and Associates.



Corporate Capabilities.

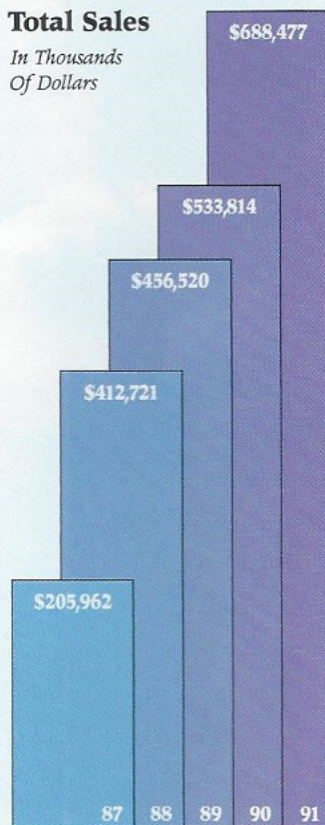
Industry Leading Financial Strength And Stability.

8

The real indicator of quality, however, is you. And for 12 years, more customers like you have been turning to AST. For the fiscal year ending in June of 1991, for example, we exceeded analysts' projections with record sales of \$688.5 million, despite an overall economic downturn. And AST was the top NASDAQ performer, recording a 259% stock increase last year.

Total Sales

In Thousands
Of Dollars



This kind of strength leads to recognition beyond products, manufacturing and support. *Datamation* includes AST on its exclusive 100 list of leading high technology companies. We're also in the *BusinessWeek* 1000 ranking for profound and pervasive impact on economic activity and stock market value. And we're also listed among Standard and Poor's Register of Corporations' Midcap 400 list, a solid indicator of a company's strength.

AST's strength and world leadership comes from consistently producing the best, most reliable products to keep you completely satisfied. You can depend on AST to continually meet your evolving computing needs with new innovations, support options and unflinching standards of excellence.

**1-800-876-4AST
TOLL-FREE**

We're Only A Phone Call Away.

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The Power Of Choice. To Go!

AST's newest line of computers gives you the productivity of your office in a lightweight, portable package. The first time you use it, you'll see why *PC Week* chose AST's Premium Exec 386SX/20 as "PC Week Labs Analyst's Choice."

We included all the functionality of your desktop PC: high quality VGA screen, high performance, and quality you can depend on. In fact, the Premium Exec is powerful enough to use as your primary office PC, with ports to connect to your desktop monitor, keyboard and mouse. You can even share files with desktop PCs using the Premium Exec's 3.5" 1.44 MB slim-line floppy drive.

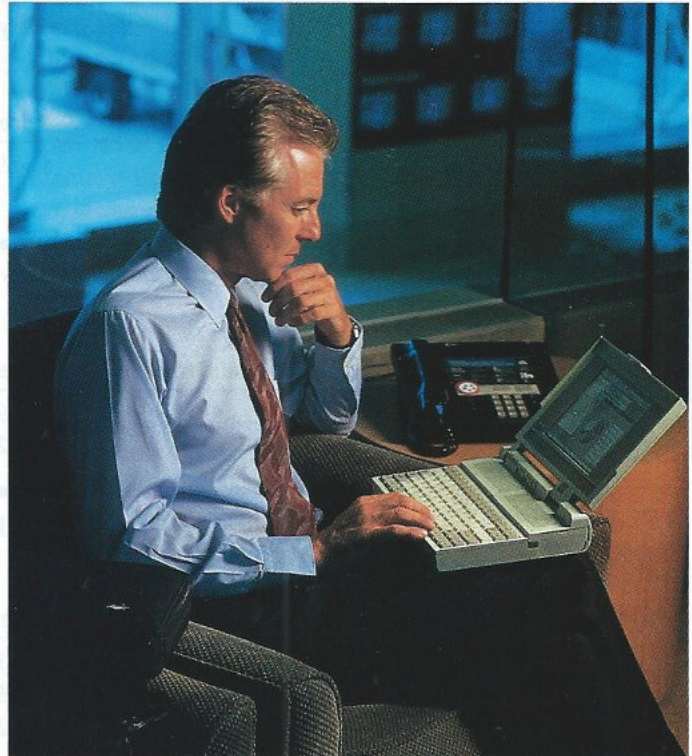
AST Premium Exec 386SX/25C. AST breaks the monochrome barrier and takes portable computing into a colorful new world with the Premium Exec 386SX/25C. We've used state-of-the-art technology to capture real-life colors and combine them with the fastest SX processor available... at a price that other manufacturers charge for slower speed, monochrome systems.

You can display 16 colors at 640x480 resolution, and a full 256 colors at 320x200 resolution. With its sophisticated VGA LCD screen technology, the Premium Exec 386SX/25C allows you to pick and choose the hues you want.

AST Premium Exec 386SX/25. AST was the first to deliver today's fastest notebook power—25 MHz, 386SX—with the Premium Exec 386SX/25. Boasting processing power up to 25 percent faster than 20 MHz notebook computers, the Premium Exec 386SX/25 conquers the most demanding applications in split seconds. And its memory and storage capabilities are up to the job too, with a 60 or 80 MB hard drive and 4 MB standard RAM (expandable up to 8 MB). So it's ready to tackle anything you send its way, including Windows™ 3.0, spreadsheets and custom software.

AST Premium Exec 386SX/20. If extra value is on your mind, choose the Premium Exec 386SX/20. You get maximum processing power and AST reliability. Yet it cost you hundreds to thousands of dollars less than other machines in its class.

With 2 MB or 4 MB of interleaved, page-mode memory standard (expandable up to 8 MB) and your choice of a 40, 60 or 80 MB hard drive, the Premium Exec 386SX/20 is perfect for memory intensive programs and operating environments.



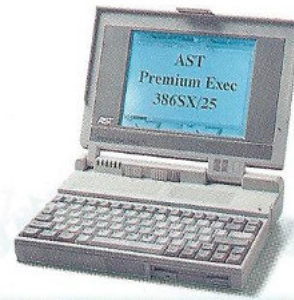
The Premium Exec's VGA "paper white" screen uses 32 shades of gray to provide a sharp, clear image and reduced eye strain. AST's new CCFT film supertwist LCD display is the latest in notebook technology. It's brighter, offers higher contrast, uses less power—and it's more reliable (up to three times longer usage than older EL technology).

Although the Premium Exec is compact, your fingers can spread out over its full-sized 82/83-key keyboard, including function and dedicated word-processing keys. A numeric keypad is integrated right into the keyboard for easy 10-key operation.

Protect Your Investment With ExeCare™

In addition to the one-year warranty and our comprehensive direct support programs, AST's exceptional ExeCare service program guarantees 24-hour repair or replacement of your Premium Exec notebook computer.

AST Premium Exec Systems.



Premium Exec 386SX/25

10

AST Premium Exec 386SX/25C

With MS-DOS® from AST, battery pack and carrying case.

Starting at \$4,995

Hard Disk Drives	Price	Model	Part No.
60 MB	\$ 4,995	63V/4	50084-101
80 MB	5,295	83V/4	500884-201

AST Premium Exec 386SX/25

With MS-DOS® from AST, battery pack and carrying case.

Starting at \$2,995

Hard Disk Drives	Price	Model	Part No.
60 MB	\$ 2,995	63V/4	500850-101
80 MB	3,295	83V/4	500850-301

AST Premium Exec 386SX/20

With MS-DOS from AST, battery pack and carrying case.

Starting at \$2,395

Hard Disk Drives	Price	Model	Part No.
40 MB	\$ 2,395	43V	500795-201
60 MB	2,695	63V	500795-301
80 MB	3,295	83V/4	500843-601

STANDARD FEATURES

Premium Exec 386SX/25C

- 386SX processor running at 25 MHz
- 4 MB interleaved RAM standard
- CCFT LCD, passive matrix color; VGA, EGA, CGA and MDA compatible; 16 colors at 640×480; 256 colors at 320×200; 64 grey shades; 800×600 super VGA graphics on external monitor; 132-column text on external monitor.

Premium Exec 386SX/25

- 386SX processor running at 25 MHz
- 4 MB interleaved RAM standard
- VGA CCFT "Paper White" graphics screen with 32 shades of grey

Premium Exec 386SX/20

- 386SX processor running at 20 MHz
- 2 or 4 MB interleaved RAM standard
- VGA CCFT "Paper White" graphics screen with 32 shades of grey

1-800-876-4AST
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Premium Exec 386SX/20

OPTIONS

Memory Expansion (For Premium Exec 386SX/25 and 386SX/25C)

- 4 MB SIMM \$ 999 500814-004

Memory Expansion (For Premium Exec 386SX/20)

- 1 MB SIMM \$ 169 500814-001
- 4 MB SIMM 999 500814-003

Upgrades

- 386SX/20 Upgrade Module* \$ 499 500812-001
- 40 MB 750 500826-001
- 60 MB 950 500826-002
- 80 MB 1,150 500826-003

*Note: Trade-in 286/12 module; upgrade must be installed by dealer.

Accessories

- Numeric Keypad \$ 119 500804-001
- Secondary Battery Pack 99 500805-001
- Auto Adapter 129 500806-001
- Trickle Charger 29 500807-001
- 2400 BPS Data Modem 249 500808-001
- 2400 BPS Data Modem/ 349 500809-001
- 9600 BPS FAX/Send
- 2400 BPS Data Modem/ 499 500848-001
- 9600 BPS FAX/Send-Receive
- Nylon Accessory Case 129 500810-001
- Leather Accessory Case 299 500810-002
- External Battery Charger 119 500811-001
- AC Adapter 119 500828-001
- Second Serial Adapter 99 500849-001

The following parts are available through AST Spare Parts only:

- Keyboard Adapter \$ 9 500839-001
- Parallel Port Extender 12 500846-001
- LapLink™ Parallel Port Cable 29 500847-001
- DOS 3.3 User's Manual 25 00904-00113

COMMON FEATURES

- **Chassis:** (386SX/25C): 2.30" H x 9" D x 11.4" W, 7 lbs.
(386SX/25 and 386SX/20): 2.25" H x 9" D x 11.4" W, 7 lbs.
- **Memory:** Expandable to 8 MB
- **Coprocessor:** Support for 387SX (386 models only)
- **Keyboard:** 82-key with 101-key functionality
- **Slots:** One AST expansion slot
- **Floppy Drive:** 3.5" 1.44 MB floppy drive
- **Ports:** One serial, one parallel, one external VGA monitor port, one keypad/mouse port
- **Software:** MS-DOS® 5.0
- **Power:** AC Adapter/Battery Charger, auto-sensing 115/230 NiCad battery pack

**GUARANTEED
24-HOUR
REPAIR OR
REPLACEMENT WITH
EXECARE™**

*Execare, an optional service program, is offered in various locations throughout the world. Check with your local AST office for information.



Just Say Bravo!



12

You'd have a difficult time finding a line of personal computers with a better balance of value, reliability and performance than AST Bravo systems. If you want quality and performance without a high price, "Just say Bravo!"

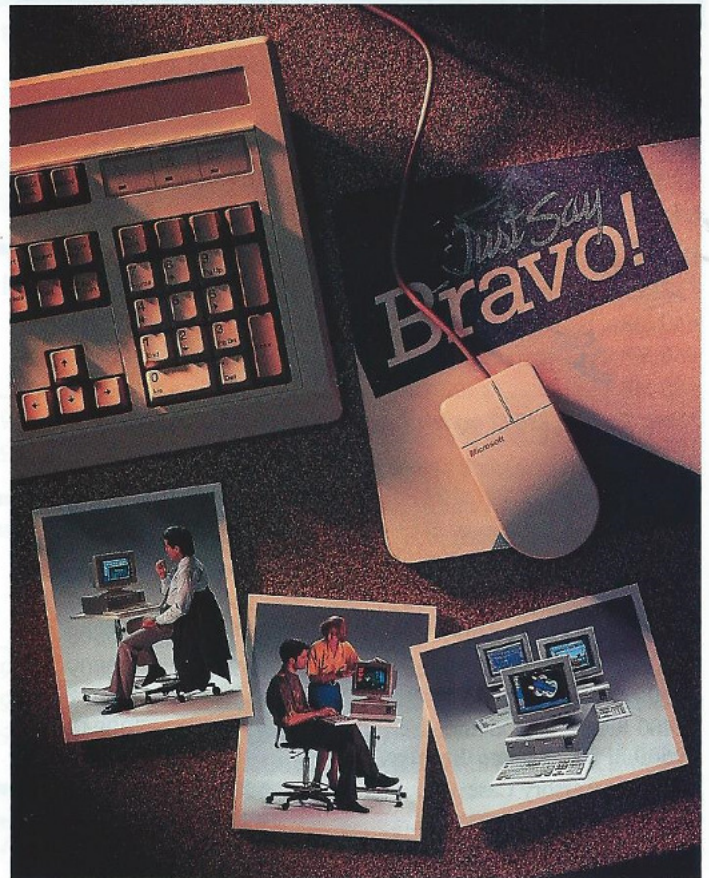
We've packed a lot of power into these small footprint computers. The compact chassis has room for two internal and two externally-accessible drive bays, and five 16-bit ISA expansion slots. All I/O ports are integrated onto the system board so you can connect a VGA monitor, a modem, two printers, a keyboard and a mouse without using a single expansion slot. Memory, expandable to 16 MB is also located on the system board, as well as support for up to 800×600 resolution, 16-color Super VGA. And we include MS-DOS® 5.0 and AST utility software free.

AST Bravo 486/25. If you need a great deal of computing power for intensive, multi-application environments, but don't want the high price, the Bravo 486/25 is built for you.

This i486-based computer is compatible with thousands of software applications running under MS-DOS and has the power to handle CAD/CAM applications, high-end presentation graphics, UNIX®, Open Desktop® and of course, Windows™ 3.0.

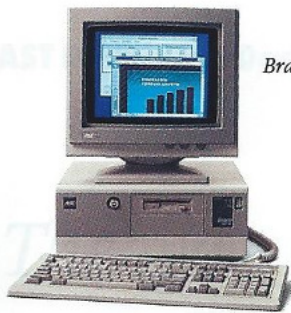
The Bravo 486/25 includes integrated 8 KB of cache memory, a built-in 80387-compatible math coprocessor, and a socket for a Weitek 4167 coprocessor. Some applications, such as CAD, can run two to three times faster with this addition.

AST Bravo 386SX/20. If you thought you couldn't afford 386-based technology, we've got the answer. The AST Bravo 386SX/20 is your ticket into the world of 32-bit computing. With its 386SX processor it can easily handle new sophisticated software programs for word processing, spreadsheets, presentation graphics, database management and



popular multitasking operating systems such as Windows 3.0.

In fact, its 20 MHz speed allows the Bravo 386SX/20 to perform 25% better than its 16 MHz competition. Yet it's priced at the same level as some 286-based machines. And definitely lower than most 386SX computers.



Bravo 386SX/20



Bravo 286/16

AST Bravo 486/25

Starting at \$2,995

With MS-DOS from AST, integrated 80387-compatible coprocessor and 8 KB of cache, support for Weitek 4167 coprocessor, 2 MB memory.

Hard Disk Drives	Price	Model	Part No.
None	\$ 2,995	3V	500789-001
80 MB IDE	3,495	83V	500789-005
210 MB	3,995	213V	500789-007
80 MB IDE	3,995	83B*	500832-001

*Note: Model 83B comes standard with Microsoft® Windows™ 3.0, AST Super VGA monitor; Microsoft-PS/2®-compatible mouse and mouse pad.

AST Bravo 386SX/20

Starting at \$1,295

With MS-DOS from AST, 2 MB memory, support for 80387SX-compatible coprocessor.

Hard Disk Drives	Price	Model	Part No.
None	\$ 1,295	3V	500786-001
40 MB IDE	1,695	43V	500786-005
40 MB IDE	2,395	43B*	500833-001

*Note: Model 43B comes standard with Lotus® 1-2-3®, Windows 3.0, AST Super VGA monitor; Microsoft PS/2-compatible mouse and mouse pad.

AST Bravo 286/16 (Limited Availability)

Starting at \$1,195

Includes MS-DOS from AST, 1 MB memory, support for 80287-compatible coprocessor.

Hard Disk Drives	Price	Model	Part No.
None	\$ 1,195	3V	500787-003
40 MB	1,595	43V	500787-007

*Note: 386SX/20 processor upgrade: \$700.

STANDARD FEATURES

- AST Bravo 486/25**
 - i486, 25 MHz processor
 - 2 MB of RAM (expandable to 16 MB on system board)
- AST Bravo 386SX/20**
 - 386SX, 20 MHz processor
 - 2 MB RAM (expandable to 16 MB on system board)
- AST Bravo 286/16**
 - 286, 16 MHz, upgradable to 20 MHz 386SX
 - 1 MB RAM (expandable to 16 MB on system board)

COMMON FEATURES

- **Chassis:** 6.25" H x 16.5" D x 15.25" W
- **Power Supply:** 145 watt
- **Expansion Slots:** Five, full-sized 16-bit ISA-compatible slots
- **Floppy Drive:** 3.5", 1.44 MB floppy drive
- **Drive Bays:** Two externally accessible, 5.25"; two internal (IDE) 3.5" drive bays
- **System Board:** Two serial ports, one parallel port and one mouse port, integrated floppy controller and IDE hard drive interface; integrated Super VGA.
- **Security:** Chassis lock and password security.
- **Bundled Software:** MS-DOS 5.0 from AST, AST utilities/diagnostics (includes AST's custom BIOS-based setup for easy installation and configuration, expanded memory manager and disk caching).
- **Optional Software:** OS/2 1.21 from AST.

1-800-876-4AST
TOLL-FREE

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Just Say Bravo!

OPTIONS

Memory Expansion (For Bravo 486/25)

- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B \$ 200 500780-005
- Write Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

Memory Expansion (For Bravo 386SX/20 and Bravo 286/16)

- Page Mode 512 KB
(two 256 KB SIMMs)
MP256SIM-512-80 \$ 75 500510-012
- Page Mode 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-80 200 500710-003
- Page Mode 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-80 800 500824-001

**Note: Memory for original Bravo 386SX/16 use 2 MB (two 1 MB SIMMs) kit, part no. 500510-002 (\$270). Memory for original Bravo 286/8 use 512 KB (two 256 KB SIMMs) kit, part no. 500510-010 (\$100); or use 2 MB (two 1 MB SIMMs) kit, part no. 500510-002 (\$270).*

Mass Storage Devices

- Half-height, 5.25" 1.2 MB floppy drive
FLOPPY-1200 \$ 150 500511-002
- Half-height, 3.5" in a 5.25" mount, 1.44 MB floppy drive
FLOPPY-1440 150 500511-003
- 1" high, 3.5" 40 MB IDE hard drive
HDISK-40 450 500747-040
- Half-height, 3.5" 110 MB IDE hard drive
HDISK-110 925 500747-110
- 1" high, 3.5" 80 MB IDE hard drive
HDISK-80 575 500747-080
- Half-height, 3.5" 210 MB IDE hard drive
HDISK-210 1,375 500747-200

**World-Renowned Quality
And Reliability.**

Every AST computer stands up to thousands of hours of testing and inspection, giving them one of the highest reliability records in the industry. Even a fingerprint smudge on a chassis can be enough for us to reject a product. And AST's ongoing reliability program subjects products to long-term, accelerated life testing, to assure that your computer will work today and in the years to come.



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The New Office Standard.

High performance and efficient design have become prime considerations when choosing today's business computer. The Premium II line meets these demands and delivers more—powerful 32-bit processing, a small-footprint chassis, a high-capacity hard disk, plenty of memory and high-resolution video support.

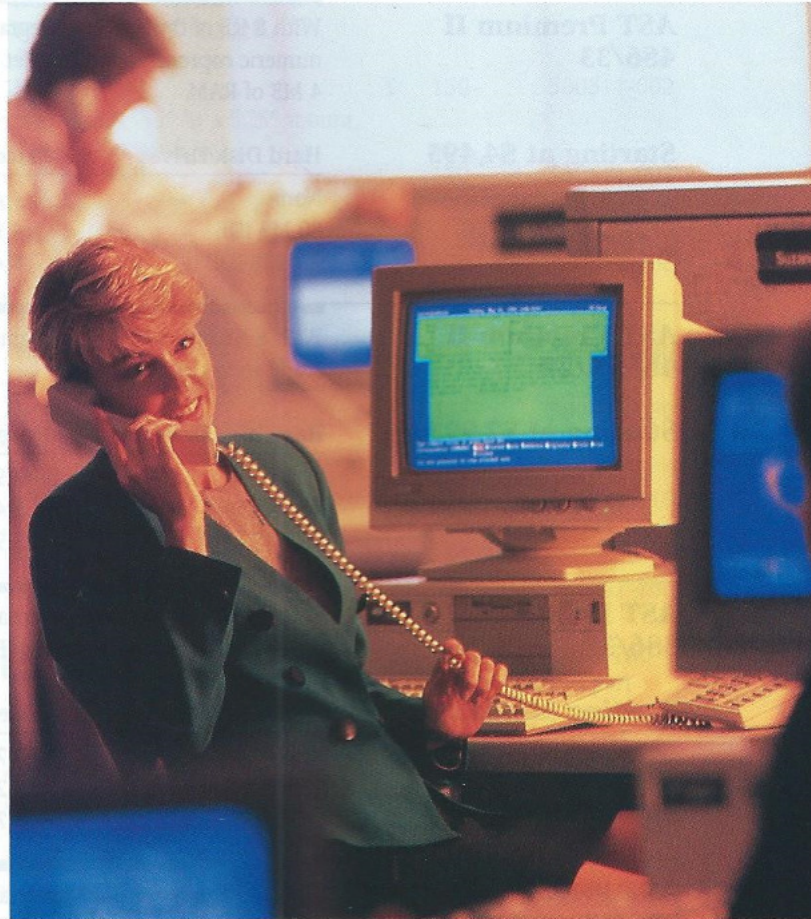
AST Premium II 486/33. Never before has AST offered so much power in such a small chassis. The Premium II 486/33 gives you leading-edge performance with its Intel® i486 chip and 33 MHz of speed.

Designed to be AST's premiere choice for single-user, high-end workstation use, the Premium II 486/33 comes standard with 4 MB of memory, expandable to a system total of 80 MB. The system also features an integrated Intel 80387-compatible math coprocessor, and a socket for an optional Weitek 4167 coprocessor.

Overall, the Premium II 486/33 combines superior features—including maximum performance, expandability and unequalled speed—to deliver top performance in a desktop computer.

AST Premium II 486SX/20. A welcome combination of high performance and lower cost, the Premium II 486SX/20 is ready to tackle the most demanding applications with its 20 MHz, i486SX microprocessor featuring 8 KB of integrated 4-way cache, and full 32-bit address and data buses. There's also a socket for an optional 487 math coprocessor to upgrade this SX system to full i486 capabilities.

AST Premium II 386/33 and Premium II 386/25. AST designed the Premium II 386/33 and Premium II 386/25 to provide maximum performance from 386 technology. We also called upon Intel's new Smart Cache™ to raise these systems to new heights. Smart Cache is so efficient, the 16 KB of cache RAM actually outperforms other cache implementations several times its size. Once again, AST is among the first to utilize the industry's latest innovations to bring you the best performing computers.



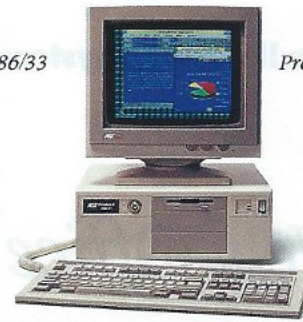
AST Premium II 386SX/20. The Premium II 386SX/20 is today's all-purpose office computer. Its Intel 386SX microprocessor provides complete 32-bit compatibility with the original 386 chip, so you can run thousands of applications that call for 386-based power. And the system's 20 MHz speed handles heavy workloads quickly.

We used 16 KB of external cache memory to increase system performance and productivity. And for those math-intensive programs, a socket for a 387SX coprocessor is included to run your applications at higher speeds.

AST Premium II Desktop Systems.



Premium II 486/33



Premium II 486SX/20

AST Premium II 486/33

With 8 KB of 0 wait-state integrated 4-way cache, 80387 (standard) numeric coprocessor and socket supporting a Weitek 4167 (optional), 4 MB of RAM.

Starting at \$4,495

Hard Disk Drives	Price	Model	Part No.
None	\$ 4,495	3V	500834-001
80 MB IDE	4,995	83V	500834-005
210 MB IDE	5,495	213V	500834-007

AST Premium II 486SX/20

With 8 KB of 0 wait-state integrated 4-way cache, performance upgrade socket, 4 MB of RAM.

Starting at \$2,995

Hard Disk Drives	Price	Model	Part No.
None	\$ 2,995	3V	500835-001
80 MB IDE	3,495	83V	500835-005
210 MB IDE	3,995	213V	500835-007

AST Premium II 386/33

With 16 KB of 0 wait-state external 4-way cache, socket for Intel 80387 or Weitek 3167 coprocessor, 4 MB of RAM.

Starting at \$2,795

Hard Disk Drives	Price	Model	Part No.
None	\$ 2,795	3V	500831-001
80 MB IDE	3,295	83V	500831-005
210 MB IDE	3,795	213V	500831-007

AST Premium II 386/25

With 16 KB of 0 wait-state external 4-way cache, socket for Intel 80387 or Weitek 3167 coprocessor, 2 MB of RAM.

Starting at \$2,195

Hard Disk Drives	Price	Model	Part No.
None	\$ 2,195	3V	500856-001
80 MB IDE	2,695	83V	500856-003
210 MB IDE	3,195	213V	500856-005

AST Premium II 386SX/20

With 16 KB of 0 wait-state external cache, socket for Intel 387SX coprocessor, 2 MB of RAM.

Starting at \$1,595

Hard Disk Drives	Price	Model	Part No.
None	\$ 1,595	3V	500777-001
80 MB IDE	2,095	83V	500777-019
210 MB IDE	2,595	213V	500777-023

STANDARD FEATURES

AST Premium II 486/33

- Intel i486, 33 MHz processor
- 4 MB of RAM (expandable to 16 MB on processor board; 80 MB system total)

AST Premium II 486SX/20

- Intel i486SX, 20 MHz processor
- 4 MB RAM (expandable to 16 MB on processor board; 80 MB system total)

AST Premium II 386/33

- Intel 386, 33 MHz processor
- 4 MB RAM (expandable to 16 MB on processor board; 80 MB system total)

AST Premium II 386/25

- Intel 386, 25 MHz processor
- 2 MB RAM (expandable to 16 MB on processor board; 80 MB system total)

AST Premium II 386SX/20

- Intel 386SX, 20 MHz processor
- 2 MB RAM (expandable to 16 MB on processor board)

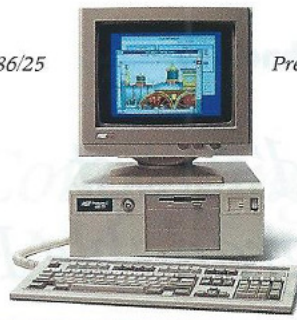




Premium II 386/33



Premium II 386/25



Premium II 386SX/20

OPTIONS

Memory Expansion (For Premium II 486/33, 486SX/20, 386/33 and 386/25)

Processor Card—Must use the following kits:

- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B \$ 800 500780-001
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B 200 500780-005

Cupid Memory Card—Must use the following kits:

- 32-bit Memory Expansion Board with 0 MB, expandable to 32 MB . . . \$275 500818-001
- Write/Bit 1 MB (one 1 MB SIMM)
MP1000SIM-1000-80 W/B 100 500780-003
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-7000-70 W/B 200 500780-005
- Write/Bit 4 MB (one 4 MB SIMM)
MP4000SIM-8000-70 W/B 400 500780-004
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

**Note: Memory for original Cupid Memory Card (Part No. 500722-004) use 1 MB page mode SIMM (Part No. 500718-002, price \$100).*

Memory Expansion (For Premium II 386SX/20)

Processor Card and Cupid-32 Memory Card

- 32-bit Memory Expansion Board with 0 MB, expandable to 32 MB . . . \$ 275 500818-001
- Write/Bit 1 MB (one 1 MB SIMM)
MP1000SIM-1000-80 W/B 100 500780-003
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B 200 500780-005
- Write/Bit 4 MB (one 4 MB SIMM)
MP4000SIM-4000-70 W/B 400 500780-004
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

**Note: Memory for original Cupid-32 Memory Card (Part No. 500722-004) use 1 MB page mode SIMM (Part No. 500718-002, price \$100).*

AST Premium II FASTboards

- 486/33 with 4 MB of RAM (return original processor board from: Premium II 486SX/20, 386/33, 386/25, 386SX/20 \$ 2,595 500852-001
- 486SX/20 with 4 MB of RAM (return original processor board from: Premium II 386/33, 386/25, 386SX/20) 1,595 500852-002
- 386/33 with 4 MB of RAM (return original processor board from: Premium II 386/25, 386SX/20) 1,545 500852-003

Mass Storage Devices

- Half-height, 5.25" 1.2 MB floppy drive
FLOPPY-1200 \$ 150 500511-002
- Half-height, 3.5" in a 5.25" mount, 1.44 MB floppy drive
FLOPPY-1440 150 500511-003
- Third-height, 3.5" 1.44 MB floppy drive
FLOPPY-1440 150 500511-006
- Half-height, 3.5" 40 MB IDE hard drive
HDISK-40 450 500747-040
- 1" high, 3.5" 80 MB IDE hard drive
HDISK-80 575 500747-080
- Half-height, 3.5" 110 MB IDE hard drive
HDISK-110 925 500747-110
- Half-height, 3.5" 210 MB IDE hard drive
HDISK-210 1,375 500747-200

COMMON FEATURES

- **Chassis:** 6.25" H x 16.5" D x 15.25" W
- **Power Supply:** 145 watt
- **Expansion Slots:** Three 32-/16-/8-bit, two 16-/8-bit and one 8-bit
- **Floppy Drive:** 3.5", 1.44 MB floppy drive
- **Drive Bays:** Three externally accessible (one third-height and two half-height). Room for two 3.5" hard drives internally.
- **Cupid-32 Processor Board:** Supports processor, coprocessor, memory and cache memory.
- **Cupid-32 System Board:** Two serial ports, one parallel port and one mouse port, integrated floppy controller and IDE hard drive interface, integrated Super VGA.
- **Enhanced Keyboard:** 101-/102-keys
- **Security:** Chassis lock and password security
- **Software:** AST utilities including hard disk cache and expanded memory driver.
- **Optional Software:** MS-DOS 5.0 from AST, OS/2 1.21 from AST.

The World's First Fully Upgradable PCs.



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One of the greatest advantages of buying an AST Premium Computer is Cupid-32 technology. Cupid stands for Completely Universal Processor and Input/Output Design, which means you can buy a computer with the right level of performance for today's requirements. In the future, when you're ready for more processing power, upgrading can be as simple as replacing one board in your computer.

Complete Upgrades In One Easy Step. Most personal computers today are designed with interdependent components. As a result, every time a new, improved component is developed, the entire computer has to be replaced.

AST's Cupid-32 Premium computers are different. With Cupid-32, the components of the system that are most likely to change are placed on a removable processor board. Those components that typically remain constant are placed on a separate system board. The two boards are then linked together via a universal 32-bit interface.

To increase the computer's processing power or to implement new technology, you simply replace the processor board with an AST FASTboard.™ Because the upgrade is easy and fast, it can be installed on site. No time is lost putting files on a new hard drive, moving boards over to a new machine, or disrupting a file server.

Unlike the incomplete upgrade solutions offered by some of our competitors—which only allow the microprocessor to be upgraded—AST's Cupid-32 upgradability provides a complete upgrade of all the system's dynamic components in one easy step.

Get The Latest Technology Sooner. In today's environment of rapidly changing computer technology, the ability to instantly match computing power to your current needs is essential. When a faster processor or cache is announced, AST's time to get technology to market is dramatically reduced. As a result, you are able to use state-of-the-art computing sooner for maximum productivity.

Of course, convenience isn't the only advantage Cupid-32 upgradability offers. Cupid-32 upgradability also protects and enhances your initial computing investment. Not to mention the time and money Cupid-32 saves by eliminating additional training and retesting of hardware and software.

Who Else Offers Cupid-32 Upgradability? No one. Other manufactures may offer systems with limited upgradability; however, nobody but AST offers a complete family of fully-upgradable systems—including our full-sized Premium desktop, mid-size Premium II desktop, and floor-standing Premium Server systems.



High-Performance EISA Computing For Engineering And Business Needs.

Based on Intel's 486/33 processor, the Premium EISA desktop series of time-proven systems allow you to take advantage of the latest 32-bit applications, such as Microsoft® Windows™ 3.0 and Novell® NetWare®.

AST Premium 486/33E. For unsurpassed performance, the Premium 486/33E combines the Intel i486/33 microprocessor with Extended Industry Standard Architecture (EISA). EISA gives you the advanced I/O capabilities of the 32-bit bus to keep pace with the processing speed. This sophisticated design eliminates communication delays and heightens performance to support heavy user demands. Yet the Premium 486/33E still remains compatible with industry-standard 8- and 16-bit boards.

The Premium 486/33E offers 4 MB of standard memory, expandable to 80 MB total, so you can take advantage of large multitasking operating environments. And seven EISA slots offer plenty of flexibility to add a variety of expansion cards. Many features have been integrated onto the motherboard: two serial ports, one parallel port, one mouse port, floppy controller, and IDE hard drive interface. Plus, the system supports two fixed disk drives (offering storage up to 640 MB) and three floppy drives. A Super VGA adapter comes standard in every model.

With its high performance and maximum storage, the Premium 486/33E is designed for a broad range of UNIX®, XENIX®, OS/2® and MS-DOS applications, including multitasking, CAD/CAM, database, document imaging and desktop publishing. The Premium 486/33E puts EISA power on your desktop for applications where high performance is critical.



AST Premium 486/33E

With 8 KB of 0 wait-state, 4-way integrated cache and integrated Intel 80387 numeric coprocessor, VGA Plus adapter, Intel 80387-compatible coprocessor, socket for Weitek 4167 coprocessor, 4 MB of RAM.

Starting at \$5,795

Hard Disk Drives	Price	Model	Part No.
None	\$ 5,795	5V	500779-001
210 MB IDE	6,795	215V	500779-008
330 MB SCSI (with EISA SCSI controller)	8,095	335V	500779-010

FEATURES

- **Chassis:** 6.25" H x 16.5" D x 19.25" W
- **Power Supply:** 220 watt
- **Expansion Slots:** Seven 32-/16-/8-bit EISA
- **Floppy Drive:** 5.25", 1.2 MB floppy drive
- **Drive Bays:** Up to five half-height (three externally accessible). To mount 3.5" drives, Premium Install Kit (P/N 500746-002) required.
- **Hard Drive Controller:** IDE (Model 215V) or EISA SCSI (Model 335V)
- **Cupid-32 Processor Board:** Supports processor, coprocessor(s), memory and cache memory.

AST Premium EISA Desktop Computers.



Premium 486/33E

- **Cupid-32 System Board:** Two serial ports, one parallel port and one mouse port, integrated floppy controller and IDE hard drive interface, Super VGA Adapter.
- **Enhanced Keyboard:** 101-/102-keys
- **Security:** Chassis lock and password security
- **Software:** AST utilities including hard disk cache and EISA configurator.
- **Optional Software:** MS-DOS 5.0 from AST, OS/2 1.21 from AST.

OPTIONS

Memory Expansion (For Premium 486/33E)

Processor Card—Must use the following kits:

- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B \$ 200 500780-005
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

Cupid Memory Card—Must use the following kits:

- 32-bit Memory Expansion Board with 0 MB, expandable to 32 MB ... \$275 500818-001
- Write/Bit 1 MB (one 1 MB SIMM)
MP1000SIM-1000-80 W/B 100 500780-003
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B 200 500780-005
- Write/Bit 4 MB (one 4 MB SIMM)
MP4000SIM-4000-70 W/B 400 500780-004
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

**Note: Memory for original Cupid Memory Card (Part No. 500722-004) use 1 MB page mode SIMM (Part No. 500718-002, price \$100).*

AST Premium EISA System Boards

(Pricing on EISA System Board upgrades assumes return to AST of original ISA System Boards)

- Desktop EISA system board upgrade from Desktop ISA (i486-based only) \$ 1,250 500768-001

AST Premium Desktop EISA And ISA FASTboards

- 486/33 (Return original processor board from: Premium 486/25E, 486/25, 386/33, 386/25, 386SX/16) 2,595 500852-001
- 486SX/20 (Return original processor board from: Premium 386/33, 386/25, 386SX/16) 1,595 599852-002
- 386/33 (Return original processor board from: Premium 386/25, 386SX/16) 1,545 599852-003

Mass Storage Devices

- Half-height, 5.25" 1.2 MB floppy drive
FLOPPY-1200 \$ 150 500511-002
- Half-height, 3.5" in a 5.25" mount, 1.44 MB floppy drive
FLOPPY-1440 150 500511-003
- 1" high, 3.5" 80 MB IDE hard drive
HDISK-80 575 500747-080
- Half-height, 3.5" 110 MB IDE hard drive
HDISK-110 925 500747-110
- Half-height, 3.5" 210 MB IDE hard drive
HDISK-210 1,375 500747-200
- Premium 3.5" Kit (Brackets, cables, screws for mounting HDISK-80, HDISK-110 or HDISK-210 in Premium systems) 50 500746-002
- Full-height, 320 MB 5.25" ESDI hard drive
HDISK-320ESDI 2,900 500393-320
- Half-height, 5.25" 330 MB SCSI hard drive
HDISK-330 2,195 500800-330

Hard Drive Controllers

- ESDI Adapter \$ 300 500528-001
- ISA SCSI Host Bus Adapter (HBA) (SCSI HBA supports up to 7 SCSI peripheral devices) 500 500772-001
- EISA SCSI Host Bus Adapter (EISA SCSI HBA supports up to 7 SCSI peripheral devices—upgradable cache module and cache expansion card provide up to 16.5 MB cache RAM) 775 500861-001
- Cache Conversion Module (Converts EISA SCSI HBA to caching controller with 512 KB cache memory, can be upgraded with one 4 MB memory module) 505 500862-001
- Cache Memory Expansion Board (EISA SCSI cache memory expansion board with 4 MB cache RAM—uses one slot, can be upgraded with two additional 4 MB memory modules) 795 500863-001
- 4 MB Cache Memory Module (EISA SCSI 4 MB cache module for use on EISA SCSI HBA or cache expansion board) 595 500864-001

A Towering Achievement In Network Reliability.

The most important data in your company is often housed in file-server systems. Access to this mission-critical data and its protection are essential. That's why AST has created the Premium Server line with the extremely high compatibility and reliability you need in a LAN file-server, UNIX/XENIX host server or client-server environment.

Reliability is further ensured by AST's innovative Cupid-32 upgradability. This design integrates current and future processor technology into a field-tested and proven system platform. The high reliability and compatibility between systems in the Cupid-32 line can save you a tremendous amount of time and money on maintenance, training, and retesting of hardware and software.

To give you maximum possible storage for more users (and their data), Premium Servers offer six half-height drive bays and 10 EISA 32-bit expansion slots (which also support your current ISA boards, so you don't lose your current investment.) Premium Servers come standard with hard drives from 330 MB all the way to 1 Gigabyte—with a maximum 2.0 Gigabytes of hard drive storage internally.

Since memory is especially important in processor-intensive UNIX environment and client-server networks, AST Premium Servers ship with 8 MB RAM standard on the processor board, expandable to 80 MB total system memory. That's enough to support the most demanding applications.

And those of you who use network operating systems like NetWare, LAN Man and VINES understand the importance of Input/Output. Slow I/O can delay the system and leave users waiting. But AST Premium Servers use EISA (Extended Industry Standard Architecture) for high-speed 32-bit I/O capability. Yet, EISA still retains compatibility with 8-bit peripherals. You get the best of both worlds: speed and compatibility.

Some other servers have the hard disk space to hold a lot of data, but there's no way to access and transfer it quickly enough for disk-intensive applications. That's why AST Servers come with EISA SCSI disk controllers equipped with upgradable cache. This offers better drive performance in multitasking and multi-user environments, and faster hard-drive access and data transfer with 32-bit transfers and bus-mastering. And because AST's EISA SCSI controllers are upgrad-



able to 16.5 MB of cache RAM, you can scale them to fit the needs of your network.

AST Premium 486/33TE. Ideal for processor-intensive client-server and UNIX environments, the Premium 486/33TE features Intel's powerful 33 MHz, i486 processor. Supporting highly integrated cache, memory control logic and an integrated math coprocessor, the i486 provides the high-speed data transfer performance needed by the most demanding server applications.

AST Premium 386/33TE. The Premium 386/33TE is perfect for medium-sized multi-user and networking applications. With a 33 MHz, 386 chip, sockets for two math coprocessors and zero wait-state cache memory with a cache controller, the Premium 386/33TE combines cost-effective processor power with the incredible I/O capability of the Premium Server line.

AST Premium Servers.



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AST Premium 486/33TE

With 8 KB of 0 wait-state integrated 4-way cache, integrated Intel 80387 numeric coprocessor, support for a Weitek 4167 coprocessor, 8 MB of RAM.

Starting at \$9,495

Hard Disk Drives	Price	Model	Part No.
None	\$ 9,495	5	500822-001
330 MB SCSI (with EISA SCSI adapter)	12,695	335	500822-009
660 MB SCSI (with EISA SCSI adapter)	13,495	665	500822-011
1 GB SCSI (with EISA SCSI adapter)	14,795	1005	500822-013

AST Premium 386/33TE

With 64 KB of 0 wait-state, external 4-way cache, Intel 82385 cache controller, support for an Intel 80387 or Weitek 3167 coprocessor, 8 MB of RAM.

Starting at \$6,495

Hard Disk Drives	Price	Model	Part No.
None	\$ 6,495	5	500757-001
330 MB SCSI (with EISA SCSI adapter)	9,695	335	500757-009
660 MB SCSI (with EISA SCSI adapter)	10,495	665	500757-011

COMMON FEATURES

- **Chassis:** 24.25" H x 17.9" D x 14" W
- **Power Supply:** 300 watt
- **Expansion Slots:** Ten EISA (32-/16-/8-bit). Cupid-32 processor board and optional Super VGA video adapter each require one slot.
- **Floppy Drives:** 5.25" 1.2 MB floppy drive.
- **Drive Bays:** Up to six half-height (four externally accessible). To mount 3.5" drives, Premium Install Kit (P/N 500746-002 required).
- **Hard Drive Controller:** High-speed SCSI interface (Models 335, 665, 1005) allows connection of multiple peripheral devices (total storage over 2 GB) using only one slot. Uses EISA SCSI Host Adapter (upgradable with cache module and expansion card up to 16.5 MB cache) to manage multiple hard drives independent of host system, freeing CPU resources. Supports duplexing and mirroring under Novell.
- **Cupid-32 Processor Board:** Supports processor, coprocessor(s), memory and cache memory.
- **Cupid-32 System Board:** Two serial ports, one parallel port and one mouse port, integrated floppy controller and IDE hard drive interface.
- **Enhanced Keyboard:** 101-/102-keys.
- **Security:** Chassis lock and password security.
- **Software:** AST utilities including hard disk cache, confidence test and EISA configurator.
- **Optional Software:** MS-DOS 5.0 from AST, OS/2 1.21 from AST.

1-800-876-4AST
TOLL-FREE

We're Only A Phone Call Away.

Whether you have a question about a product, need technical assistance or the location of an AST dealer, call us toll-free between 6 a.m. and 5 p.m. (Pacific Standard Time), Monday through Friday, and from 7 a.m. to 1 p.m. (PST) on Saturday.

STANDARD FEATURES

AST Premium II 486/33TE

- Intel i486, 33 MHz processor
- 8 MB of RAM (expandable to 16 MB on processor board; 80 MB system total)

AST Premium 386/33TE

- Intel 386, 33 MHz processor
- 8 MB of RAM (expandable to 16 MB on processor board; 80 MB system total)

**INDUSTRY
LEADING
COMPATIBILITY**

OPTIONS

Memory Expansion (For Premium 486/33TE and Premium 386/33TE)

Processor Card—Must use the following kits:

- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B \$ 200 500780-005
- Write Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

Cupid Memory Card—Must use the following kits:

- 32-bit Memory Expansion Board with 0 MB, expandable to 32 MB ... \$275 500818-001
- Write/Bit 1 MB (one 1 MB SIMM)
MP1000SIM-1000-80 W/B 100 500780-003
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B 200 500780-005
- Write/Bit 4 MB (one 4 MB SIMM)
MP4000SIM-4000-70 W/B 400 500780-004
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

**Note: Memory for original Cupid-32 Memory Card (Part No. 500722-004) use 1 MB page mode SIMM (Part No. 500718-002, price \$100).*

AST Premium Server FASTboards

- 486/33 with 8 MB of RAM (Return original processor board from:
Premium 486/25TE, 386/33TE) \$ 3,045 500820-001

Mass Storage Devices

- Half-height, 5.25" 1.2 MB floppy drive
FLOPPY-1200 150 500511-002
- Half-height, 3.5" in a 5.25" mount, 1.44 MB floppy drive
FLOPPY-1440 150 500511-003
- Half-height, 3.5" 110 MB IDE hard drive
HDISK-110 925 500747-110
- Half-height, 3.5" 210 MB IDE hard drive
HDISK-210 1,375 500747-200

- Premium 3.5" Kit (Brackets, cables, screws for mounting HDISK-80, HDISK-110 or HDISK-210 in Premium Servers 50 500746-002
- Half-height, 5.25" 330 MB SCSI hard drive
HDISK-330 2,195 500800-330
- Full-height, 5.25" 660 MB SCSI hard drive
HDISK-660 3,295 500771-661
- Full-height, 5.25" 1 GB SCSI hard drive
HDISK-1000 4,595 500771-102

Hard Drive Controllers

- SCSI ISA Adapter (SCSI host adapter supports up to 7 SCSI peripheral devices) 500 500772-001
- EISA SCSI Host Bus Adapter (EISA SCSI host bus adapter supports up to 7 SCSI peripheral devices—upgradable cache module and cache expansion card provide up to 16.5 MB cache RAM 775 500861-001
- Cache Conversion Module (Converts EISA SCSI HBA to caching controller with 512 KB cache memory, can be upgraded with one 4 MB memory module) 505 500862-001
- Cache Memory Expansion Board (EISA SCSI cache memory expansion board with 4 MB cache RAM—uses one slot, can be upgraded with two additional 4 MB memory modules) 795 500863-001
- 4 MB Cache Memory Module (EISA SCSI 4 MB cache module for use on EISA SCSI HBA—512 KB Cache Memory Module must be installed first—or Cache Memory Expansion Board) 595 500864-001

Maynard Electronics has been designated by **Maynard®** AST as the vendor of choice for tape backup An ARCHIVE® Company solutions. Selected Maynard products are recommended by AST and have been tested and certified in all AST systems. For further information about the full line of Maynard products, call Maynard at (800) 821-8782.

Medallion CAD Series.

Discover The Legendary Performance Of Medallion.

**OUTSTANDING
VALUE
AND PERFORMANCE**

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The Medallion CAD Series provides a low-cost, high-performance CAD solution and benefits from the combined excellence of AST computers and CalComp computer graphics products. It's the first fully-integrated, PC-based hardware solution.

The Medallion system incorporates the most sophisticated components of a CAD workstation, including Intel's powerful 33 MHz, i486 microprocessor. The system features a CalComp DrawingCard™ 20-inch, high-resolution multi-sync monitor and a DrawingCard graphics controller with 1280 × 1024 resolution in 256 displayable colors. Also included is a CalComp DrawingBoard™ II 12" × 12" graphics tablet with cursor, and an AutoCAD® Display List Driver and Drawing Manager™ utility installed.

The Medallion CAD Series was created for designers and engineers who require workstations built around open industry standards. The Medallion system runs software applications developed for MS-DOS personal computers and accepts industry-standard architecture (ISA) add-in boards for maximum system expandability. The system is preconfigured for AutoCAD Release 11,™ and has been enhanced with a driver developed to increase the performance of the popular engineering software.

Contact AST to locate your authorized Medallion dealer.



Medallion CAD Series

With MS-DOS from AST, integrated 80387-compatible coprocessor and 8 KB of cache, support for a Weitek 4167 math coprocessor and 8 MB of RAM.

AST
COMPUTER

All for only \$8,995

Hard Disk Drive	Price	Model	Part No.
120 MB fixed	\$ 8,995	123V*	500876-001

* Includes system unit, graphics subsystem, display and digitizer pad.



Medallion CAD Series

AST Medallion Computer	i486, 33 MHz processor
CalComp DrawingCard™ Graphics Controller	1280 × 1024 resolution, plus custom AutoCAD® Icon Interface
CalComp DrawingCard Monitor	High resolution, multi-sync 20" color monitor
CalComp Drawing-Board™ II Digitizer Tablet	Includes 16-button cursor
Extras	Custom AutoCAD template and Drawing-Manager™ file utility

STANDARD FEATURES

Medallion CAD Series

- Intel i486, 33 MHz processor
- 8 MB RAM (expandable to 16 MB on System Board (four 4 MB SIMMs))
- **Chassis:** 6.25" H × 16.5" D × 15.25" W
- **Power Supply:** 145 watt
- **Expansion Slots:** Five full-sized 16-bit (ISA)
- **Floppy Drive:** 3.5" 1.44 MB floppy drive
- **Drive Bays:** Two 5.25" half-height (external) and two 3.5" IDE (internal)
- **System Board:** Two serial ports, one parallel port and one mouse port, integrated Super VGA adapter.

- **Graphics Subsystem:** High-performance CalComp DrawingCard engine, 1280 × 1024 resolution in 256 colors, AutoCAD Release 11 driver.
- **Display:** CalComp 20" high-resolution multi-sync color monitor, 1280 × 1024 resolution, 16.7 million color capability.
- **Monitor Dimensions:** 18.5" H × 20.7" D × 19.9" W
- **Digitizer Pad:** CalComp 33120 DrawingBoard II, includes 16-button cursor, custom AutoCAD template.
- **Digitizer Dimensions:** Live area 12" × 12"
- **Keyboard:** Enhanced 101-/102-key.
- **Software:** DrawingManager™ utility, customized AutoCAD Icon Interface, MS-DOS 3.3 from AST, AST utilities, and system confidence test.

OPTIONS

Memory Expansion (Medallion CAD Series)

- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 W/B \$ 200 500780-005
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

Mass Storage Devices

- Half-height, 5.25" 1.2 MB floppy drive
FLOPPY-1200 \$ 150 500511-002
- Half-height, 3.5" in a 5.25" mount, 1.44 MB floppy drive
FLOPPY-1440 150 500511-003
- 1" high, 3.5" 40 MB IDE hard drive
HDISK-40 450 500747-040
- 1" high, 3.5" 80 MB IDE hard drive
HDISK-80 575 500747-080
- Half-height, 3.5" 110 MB IDE hard drive
HDISK-110 925 500747-110
- Half-height, 3.5" 210 MB IDE hard drive
HDISK-210 1,375 500747-200

*Note: Cable required for HDSK installation available from AST Spare Parts Department.

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Monitors And Graphics Adapters.

*Exceptionally High Quality
And Compatibility.*

MONITORS

AST Super VGA Monitor

For brilliant color graphics, the AST Super VGA Monitor can display unlimited colors. Providing up to 1024 x 768 (interlaced resolution), it supports the most sophisticated graphics demands. You can also switch to 640 x 480 or 800 x 600 non-interlaced modes to match your graphic adapter's capabilities.

- Display - Super VGA \$695 500783-001

AST Color VGA Monitor (Limited Availability)

- Display - Color VGA \$545 500523-001

AST Monochrome VGA Monitor

If your work mainly entails word processing, spreadsheets and other applications requiring limited graphics, this 14" diagonal display monitor is the right solution. With 720 x 480 resolution, its high-contrast, black-and-white text is considerably sharper than standard monochrome digital monitors.

- Display - Monochrome VGA \$225 500782-001

GRAPHICS ADAPTERS

AST-VGA Plus

This 16-bit adapter allows you to create graphic images in a resolution of 800 x 600, with up to 16 colors. For additional colors, AST-VGA allows the generation of 256-color images in 640 x 480 resolutions (with the 512 KB Memory Option).

- AST-VGA Plus \$329 500522-001

Upgrade Kit

- 256 KB upgrade for AST-VGA Plus \$ 75 500522-002

AST-VGA

Designed for complete software compatibility with today's most popular graphics standards (such as VGA, EGA, CGA, HGC and MDA), the 8-bit AST-VGA allows you to create images in resolutions of 800 x 600 and 640 x 840 with up to 16 colors. For additional colors, you can generate images using 256 colors in 320 x 200 and 640 x 400 resolutions.

- AST-VGA \$259 500503-001

AST-3G Plus II

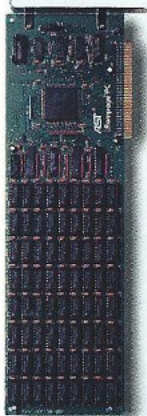
EGA color and Hercules®-compatible adapter.

- AST-3G Plus II \$395 500454-001

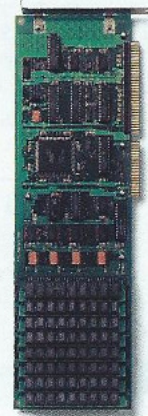


AST Super VGA Monitor

Rampage PC

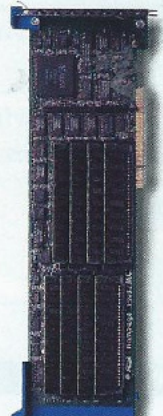


RampagePlus 286



RampagePlus/MC 286

RampagePlus/MC 386



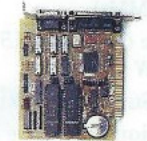
SixPak 286



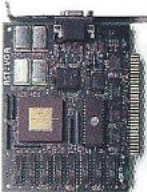
SixPakPlus



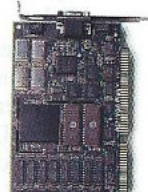
I/O Mini II
I/O Mini II/AT



AST-VGA



AST-VGA Plus



An Extensive Selection For ISA And Micro Channel™-Compatible Computers.

MEMORY/MULTIFUNCTION

SixPak 286

Supports up to 4 MB of RAM for MS-DOS conventional memory, EMS 4.0, EEMS, and EMS 3.2 expanded memory; or OS/2, UNIX or XENIX extended memory.

- SixPak 286 with no memory installed
SixPak 286-000 \$169 500741-001
- SixPak 286 with 512 KB installed
(two 256 KB SIMMs, 100ns)
SixPak 286-512 295 500741-002
- One serial, one parallel port piggyback
module for SixPak 286
I/O PAK 286-SP 95 500560-002
- 512 KB (256 KB × 9 SIMMs, 100ns)
MP256SIM-512-100 100 500510-010
- 2 MB (1 MB × 9 SIMMs, 100ns)
MP1000SIM 270 500510-002

Rampage® Plus 286

For 286-based ISA-compatible computers, RampagePlus 286 offers up to 8 MB of EMS 4.0, EEMS, EMS 3.2 and extended memory.

- RampagePlus 286 with 0 KB installed
RampPlus 286-000 \$595 500748-001
- RampagePlus 286 with 512 KB installed
(two 256 KB SIMMs, 100ns) 695 500748-002
- One serial, one parallel port piggyback
module for RampagePlus 286 95 500560-002
- 512 KB (256 KB × 9 SIMMs, 100ns)
MP256SIM-512-100 100 500510-010
- 2 MB (1 MB × 9 SIMMs, 100ns)
MP1000SIM-2000-100 270 500510-002

I/O Mini II™ and AT® Option

Offers up to two serial ports, a parallel port, game port, and a clock/calendar on a small-sized, five-inch card. It's perfect for the IBM PC, XT, and compatible computers and portables. And with the AT Option, you can also use I/O Mini II with AT-compatible computers.

- I/O Mini II (with one serial, one parallel
port; clock/calendar)
I/O Mini II \$129 500323-001
- Second serial port for I/O Mini II
I/O Mini II-000S 50 500323-003
- I/O Mini II/AT (with one serial,
one parallel port)
I/O Mini II/AT 129 500323-005

RampagePlus/MC 286 and RampagePlus/MC 386

Developed to offer the same features as its ISA-compatible twin, the RampagePlus/MC brings up to 8 MB of memory to your PS/2 or other Micro Channel 286 or 386-based computer.

- RampagePlus/MC 286 with
no memory installed
RAMP/MC 286-000 \$595 500532-001
- RampagePlus/MC 286 with 512 KB
installed (two 256 KB SIMMs, 80ns)
RAMP/MC-512 695 500532-002
- RampagePlus/MC 386 with no
memory installed
RAMP/MC 386-000 449 500792-001
- One serial, one parallel port piggyback
module for RampagePlus/MC 286 or
386
I/O Pak/MC-SP 245 500559-002
- 512 KB for RampagePlus/MC 286
(256 KB × 9 static-column SIMMs, 80ns)
MP256SCSIM-512-80 135 500709-003
- 1 MB for RampagePlus/MC 386
(256 KB × 9 static-column SIMMs, 80ns)
MP256SCSIM-1MB 245 500510-003
- 4 MB for RampagePlus/MC 286 or 386
(1 MB × 9 static-column SIMMs, 80ns)
MP1000SCSIM-4000-80 775 500510-004

SixPakPlus®

Offers memory to fill out the conventional 640 KB maximum of the IBM PC. SixPakPlus also offers standard and optional I/O features and a clock/calendar.

- SixPakPlus with 64 KB installed
(64 KB DRAM DIPS, 120ns)
SPK-064 \$210 500436-001
- SixPakPlus with 384 KB installed
(256/64 KB DRAM DIPS, 120ns)
SPK-384 395 500436-002

Rampage PC

Offers up to 2 MB of memory which can be used to fill your XT™-compatible computer's conventional memory up to 640 KB or add up to 2 MB of expanded memory.

- Rampage PC with 256 KB installed
(256 KB DRAM DIPS, 120ns)
Rampage PC-256 \$395 500450-002

Enhanced For Maximum Performance On AST Computers.

MICRO-TO-MINI COMMUNICATIONS

Enhanced AST-5251/11 Plus™ and Enhanced AST-5251/11A Plus
Provides direct PC twinax connection to IBM System/34/36/38 or AS/400, with up to seven concurrent display/printer sessions. It's a total hardware/software solution featuring IBM 5251 Model 11 terminal emulation and an advanced file transfer system.

- Enh 5251/11 Plus \$895 500417-002
- Enh 5251/11A Plus 895 500470-001

AST-5251/12™ and AST-5251/12A

For remote System/3X communications solutions, AST offers remote IBM 5251 Model 11 terminal emulation and an advanced file transfer system.

- 5251/12 \$790 500114-001
- 5251/12A 790 500501-001

AST-5250 Gateway Option

AST provides both remote and local 5250 emulation for local area connected PCs in a System/34/36/38 or AS/400 minicomputer. AST-5251/12 operates on switched, leased, point-to-point or multi-point lines at speeds from 1200 to 9600 bps.

- 5250/Gateway Opt \$995 500553-001

AST-5250 Twinax Adapter™

This hardware solution provides the communications platform for accessing IBM PC Support AS/4000 software. It utilizes two RJ11 connectors, allowing you to choose between twisted pair wire or twinax cable.

- AST-5250 Twinax Adapter \$595 500785-001

AST-3270/CoaxII-CUT™

This product provides CUT (Control Unit Terminal) model 3270 terminal emulation for S/370 host connection via coaxial attachment to a 3X74 Cluster controller in local/remote SNA/SDLC or BSC environments.

- 3270/CoaxII-CUT TP \$895 500564-001

MULTIPOINT

AST-FourPort AT Plus™

AST offers multiuser connectivity for attaching additional user ports with this product. It adds up to four serial ports for IBM PC/XT/AT computers and supports XENIX and DOS.

- FourPort/AT Plus \$495 500721-001

OPERATING SYSTEMS

MS-DOS 5.0 from AST

The latest edition of the industry's most popular single-tasking operating system featuring a reduced footprint in conventional memory, support for DOS 3.30 and DOS 4.01 file systems, and improved installation. Includes memory manager and disk cache utilities, as well as an MS-DOS QBasic™ programming/editing environment.

- MS-DOS 5.0 (for all AST systems on 3.5" diskette) \$ 95 500845-001
- MS-DOS 5.0 (for all AST systems on 5.25" diskette) 95 500845-002

MS OS/2 from AST

The operating system of choice for large mission-critical systems, multitasking, software development and network servers. Includes the highly interactive Presentation Manager graphical user interface for excellent intertask communications and a common look and feel among applications.

- MS OS/2 1.21 (for all AST systems on 5.25" diskette) \$345 500817-002
- MS OS/2 1.21 (for all AST systems on 3.5" diskette) 345 500817-001

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Quick Reference Charts.



Cupid Processor Board Memory Expansion Chart

Product	1 MB SIMM Kits: Write per Bit		4 MB SIMM Kits: Write per Bit		Upgrade in Pairs or Singles	Notes
	1 MB 500780-003	2 MB* 500780-005	4 MB 500780-004	8 MB* 500780-001		
Premium 486/33TE		▪		▪	Pairs	System includes: 8 MB standard: using two 4 MB SIMMs
Premium 386/33TE		▪		▪	Pairs	System includes: 8 MB standard: using two 4 MB SIMMs
Premium 486/33E				▪	Pairs	8 MB upgrade: remove 2 MB of SIMMs
Premium 386/33	▪	▪			Single	Upgrade CPU card using 1 MB SIMMs, but not 4 MB SIMMs
Premium 386/25	▪	▪			Single	Upgrade CPU card using 1 MB SIMMs, but not 4 MB SIMMs
Premium 386SX/16	▪	▪	▪	▪	Single	Either 1 MB W/B SIMMs, or 4 MB W/B SIMMs (for serial #'s before TWP7045986, use 1 MB memory only)
Premium II 486/33				▪	Pairs	8 MB upgrade: remove 2 MB of SIMMs
Premium II 486SX/20				▪	Pairs	8 MB upgrade: remove 2 MB of SIMMs
Premium II 386/33				▪	Pairs	8 MB upgrade: remove 2 MB of SIMMs
Premium II 386/25		▪		▪	Pairs	System includes: 2 MB standard: using two 1 MB SIMMs
Premium II 386SX/20	▪	▪	▪	▪	Single	Either 1 MB W/B SIMMs, or 4 MB W/B SIMMs

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*8 MB Kit is two 4 MB SIMMs; 2 MB Kit is two 1 MB SIMMs

Note: This information is on currently shipping models of Premium systems. For information on earlier models please call AST Tech Support at 1-800-727-1278.

Cupid Memory Boards And Related Simms

Cupid Memory Board	1 MB SIMM Kits			4 MB SIMM Kits		List Price
	Page Mode 500718-002	W/B 1 MB 500780-003	W/B 2 MB 500780-005	4 MB 500780-004	8 MB 500780-001	
500722-004 — No longer shipping	▪					N/A
500818-001 — Current*		▪	▪	▪	▪	\$ 275

*Good for all Cupid machines and capable of upgrading one SIMM at a time using 70ns or 80ns SIMMs.

Bravo Memory Expansion Chart

Product	256 KB SIMM Page Mode	1 MB SIMM Page Mode	1 MB SIMM Write Per Bit	4 MB SIMM Page Mode	4 MB SIMM Write Per Bit
	512 KB 500510-012	2 MB 500710-003	2 MB 500780-005	8 MB 500824-001	8 MB 500780-001
Bravo 286/16	▪	▪		▪	
Bravo 386SX/20	▪	▪		▪	
Bravo 486/25			▪		▪

Note: This information is on currently-shipping models of Bravo systems. For information on earlier models please call AST Tech Support at 1-800-727-1278.

Description And Pricing

- Page Mode 512 KB (two 256 KB SIMMs)
MP256SIM-512-80 \$ 75 500510-012
- Page Mode 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-80 200 500710-003
- Write/Bit 2 MB (two 1 MB SIMMs)
MP1000SIM-2000-70 200 500780-005
- Page Mode 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-80 800 500824-001
- Write/Bit 8 MB (two 4 MB SIMMs)
MP4000SIM-8000-70 W/B 800 500780-001

The Power Of Choice.

30

Family	PREMIUM® EXEC™ SERIES			BRAVO SERIES		
System	Premium Exec 386SX/25C	Premium Exec 386SX/25	Premium Exec 386SX/20	Bravo 486/25	Bravo 386SX/20	Bravo 286/16
Dimensions (HxDxW)	2.30"×9"×11.4" 7.5 lbs.	2.25"×9"×11.4" 7 lbs.	2.25"×9"×11.4" 7 lbs.	6.25"×16.5" ×15.25"	6.25"×16.5" ×15.25"	6.25"×16.5" ×15.25"
Processor/Speed	386SX 25 MHz	386SX 25 MHz	386SX 20 MHz	i486 25 MHz	386SX 20 MHz	286 16 MHz
Standard Memory	4 MB	4 MB	2 MB (43V, 63V) 4 MB (83V/4)	2 MB	2 MB	1 MB
Expandable To	8 MB	8 MB	8 MB	16 MB	16 MB	16 MB
Floppy Disk Drive (Model)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)
Hard Disk Drive (Model)	60 MB (63V/4) 80 MB (83V/4)	60 MB (63V/4) 80 MB (83V/4)	40 MB (43V) 60 MB (63V) 80 MB (83V/4)	80 MB (83V) 210 MB (213V)	40 MB (43V, 43B)	40 MB (43V)
Hard Disk Controller	IDE	IDE	IDE	IDE	IDE	IDE
Video	VGA CCFT Passive Matrix Color (16 colors at 640×480)	VGA CCFT "Paper White" Display 32 Grey Shades	VGA CCFT "Paper White" Display 32 Grey Shades	Integrated Super VGA	Integrated Super VGA	Integrated Super VGA
Expansion Slots	1 ¹	1 ¹	1 ¹	5	5	5
Software	MS-DOS® AST Utilities	MS-DOS, AST Utilities	MS-DOS, AST Utilities	MS-DOS, Diagnostics, AST Utilities	MS-DOS, Diagnostics, AST Utilities	MS-DOS, Diagnostics, AST Utilities
Power Supply	Nicad Battery Pack 24W/4.8 VAC AC Adapter 18W/115 or 230 VAC	Nicad Battery Pack 24W/4.8 VAC AC Adapter 18W/115 or 230 VAC	Nicad Battery Pack 24W/4.8 VAC AC Adapter 18W/115 or 230 VAC	145W/115 or 230 VAC	145W/115 or 230 VAC	145 W/115 or 230 VAC
List Price (Model)	\$4,995 (63V/4) 5,295 (83V/4)	\$2,995 (63V/4) 3,295 (83V/4)	\$2,395 (43V) 2,695 (63V) 3,295 (83V/4)	\$2,995 (3V) 3,495 (83V) 3,995 (213V) 3,995 (83B)	\$1,295 (3V) 1,695 (43V) 2,395 (43B)	\$1,195 (3V) 1,595 (43V)

1. For modems or second serial adapter. 2. CPU and video adapter each require one slot. 3. CPU requires one slot.

CUPID-32™ PREMIUM II DESKTOP SERIES					CUPID-32 PREMIUM DESKTOP SYSTEM	CUPID-32 PREMIUM SERVERS	
Premium II 486/33	Premium II 486SX/20	Premium II 386/33	Premium II 386/25	Premium II 386SX/20	Premium 486/33E	Premium 486/33TE	Premium 386/33TE
6.25"×16.5"×15.25"	6.25"×16.5"×15.25"	6.25"×16.5"×15.25"	6.25"×16.5"×15.25"	6.25"×16.5"×15.25"	6.25"×16.5"×19.25"	24.25"×17.9"×14"	24.25"×17.9"×14"
i486 33 MHz	i486SX 20 MHz	386 33 MHz	386 25 MHz	386SX 20 MHz	i486 33 MHz	i486 33 MHz	386 33 MHz
4 MB	4 MB	4 MB	2 MB	2 MB	4 MB	8 MB	8 MB
80 MB	80 MB	80 MB	80 MB	16 MB	80 MB	80 MB	80 MB
3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	3.5" 1.44 MB (All)	5.25" 1.2 MB (All)	5.25" 1.2 MB (All)	5.25" 1.2 MB (All)
80 MB (83V) 210 MB (213V)	80 MB (83V) 210 MB (213V)	80 MB (83V) 210 MB (213V)	80 MB (83V) 210 MB (213V)	80 MB (83V) 210 MB (213V)	210 MB (215V) 330 MB (335V)	330 MB (335) 660 MB (665) 1 GB (1005)	330 MB (335) 660 MB (665)
IDE	IDE	IDE	IDE	IDE	IDE (215V) EISA SCSI (335V)	EISA SCSI (Upgradable to 16 MB of cache)	EISA SCSI (Upgradable to 16 MB of cache)
Integrated Super VGA	Integrated Super VGA	Integrated Super VGA	Integrated Super VGA	Integrated Super VGA	Standard Super VGA Adapter	Optional Super VGA Adapter	Optional Super VGA Adapter
6 ³	6 ³	6 ³	6 ³	6 ³	7 ²	10 ²	10 ²
Diagnostics, AST Utilities	Diagnostics, AST Utilities	Diagnostics, AST Utilities	Diagnostics, AST Utilities	Diagnostics, AST Utilities	EISA Configuration Utility, Diagnostics, AST Utilities	EISA Configuration Utility, Diagnostics, AST Utilities	EISA Configuration Utility, Diagnostics, AST Utilities
145W/115 or 230 VAC	145W/115 or 230 VAC	145W/115 or 230 VAC	145W/115 or 230 VAC	145W/115 or 230 VAC	220W/115 or 230 VAC	300W/115 or 230 VAC	300W/115 or 230 VAC
\$4,495 (3V) 4,995 (83V) 5,495 (213V)	\$2,995 (3V) 3,495 (83V) 3,995 (213V)	\$2,795 (3V) 3,295 (83V) 3,795 (213V)	\$2,195 (3V) 2,695 (83V) 3,195 (213V)	\$1,595 (3V) 2,095 (83V) 2,595 (213V)	\$5,795 (5V) 6,795 (215V) 8,095 (335V)	\$ 9,495 (5) 12,695 (335) 13,495 (665) 14,795 (1005)	\$ 6,495 (5) 9,695 (335) 10,495 (665)



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