AST PRODUCT CATALOG

AST
COMPUTER

THE INFORMATION TOOLS YOU NEED TODAY. THE COMPANY THAT WILL BACK THEM IN THE FUTURE.

Whether you manage the information systems of a massive global corporation or run your own growing enterprise, AST has the right solution to fit your unique needs. At AST, we're focused on providing every customer with high quality products that offer outstanding reliability, performance and value. All of our products are backed by comprehensive warranties, service and support. Through over 15 years of market innovation, AST has become one of the largest personal computer manufacturers in the world, as well as one of the most respected. Yet we never rest on our past accomplishments. To continue our growth into the 21st century, AST has formed a strategic partnership with Samsung. This alliance strengthens AST's research and development capabilities, enhances our access to critical components, and solidifies our position as a leading global supplier of personal computers. Which means that whether you're considering Bravo business desktops, Premmia™ workstations, Manhattan™ servers, Ascentia™ mobile computers or Advantage!® PCs for the home or home-office, AST has the information tools to meet every computing need.

HONORS, AWARDS AND RANKINGS.

AST consistently garners industry awards for our product innovations and engineering excellence. In the past two years alone, we've received more than 100 such accolades. Some recent highlights include:

June 1995, AST's Ascentia 910N *Awarded Best Buy* From *PC World* Editors. When the editors at PC World magazine rated the Top 20 Notebook PCs, AST's "Ascentia 910N quickly wound up as one of our favorite notebooks." "This svelte portable dazzled us with a rundown time of nearly 8 hours--close to the best we've seen from any notebook computer." The Ascentia 910N earned an outstanding power rating and a solid Best Buy.

May 1995, AST's Advantage! 6075p *Chosen as Top Pick from PC Computing Editors.* Given a 4 1/2 star rating by the editors of *PC Computing* in their telephony review, the 6075p was named the best overall value against IBM's Aptiva 530 and AT&T's Globalyst 360TPC.

May 1995, AST's Ascentia 910N *Topped List of Mobile PCs from Home PC's Consumer Lab*. To test the notebooks, *Home PC* invited 10 volunteers with varying degrees of computer skill to use each of the notebooks at home for a week. "The AST Ascentia (910N) topped the list" of multimedia-ready notebook computers.

May 1995, *New York Daily News* Advantage! 6075 Receives *Four-Star Review*.

May 1995, AST's Ascentia Family Honored with *Windows Magazine's* **Win 100 Award.** The Win 100 is the culmination of a year's worth of extensive product testing and reviewing resulting in Windows Magazine's recommendation of the 100 best hardware products of the year.

April 1995, *BYTE* Named AST's Ascentia 910N *Best Overall in High-End Notebook Comparison*. The Ascentia 910N won our best overall rating, *BYTE* editors said, "mostly due to its excellent battery life and outstanding 10.4" color display. The Ascentia 910N ascends the throne."

December 1994, *BYTE* Premmia GX P/90 *Earns Best Overall Rating.*

October 1994, *InfoWorld* Premmia GX P/90 *Qualifies for Buyers Assurance Seal.*

ASTVISION™ MONITORS.

Our family of extraordinary monitors artfully blends ergonomics with leading edge technologies, to create a higher caliber monitor solution.

- Choice of 14" (13.2" viewable) diagonal, 15" (13.7" viewable) diagonal, 17" (15.5" viewable) diagonal, 20" (19" viewable) diagonal
- VESA DPMS compliant
- Plug-n-Play ready on most models
- Interlaced and non-interlaced choices
- ISO 9241-3 ergonomics compliant
- Anti-glare glass
- On screen displays of contrast, brightness, resolution and more

THE PREMMIA SERIES.

The Premmia GX has been designed from the ground up to be the optimum Pentium® processor-based workstation. AST's advanced systems engineering team spared no details to create this highly-tuned workstation platform. With the Premmia GX, you'll find a system for intense technical, design and scientific applications that's compatible with your entire office enterprise, so it beats proprietary workstations hands down.

PREMMIA GX. THE MOST POWERFUL DESKTOP WORKSTATION.

- 133 MHz Pentium, 100 MHz Pentium processors
- Dual processor capable (MPSpec 1.1) and Pentium OverDrive® processor upgradable
- 512 KB (P/133 model) and 256 KB (P/100 model) standard cache. High speed 8 ns synchronous SRAM
- PCI 64-bit graphics 3D, 2D, video & graphics hardware acceleration
- 2 MB WRAM standard, expandable to 8 MB
- PCI-based high-throughput Fast SCSI-2 controller with external SCSI connector and auto termination feature
- PCI-based Enhanced IDE hard drive interface
- Integrated Ethernet
- Windows NT®, UnixWare 2.0, Unix, Solaris 2.4, OS/2 certified
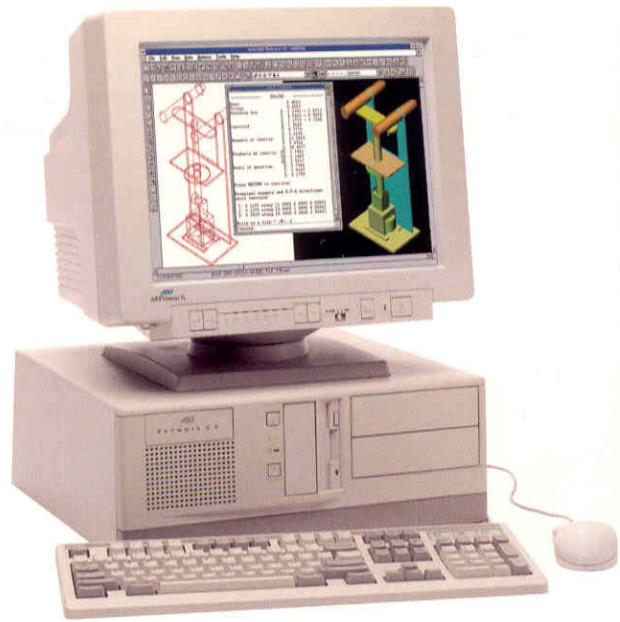
THE BRAVO SERIES.

Value comes in two different packages. For over five years, the Bravo series has delivered practical computing solutions to businesses around the world, earning a distinguished reputation for unparalleled value. Though affordably priced, the Bravo configurations offer a choice of super powerful processors, PCI-based graphics, the expansion power and flexibility of a PCI bus, and support for future upgradability via Plug-n-Play and DMI standards.

BRAVO MS. AN EFFICIENT, POWERFUL MID-SIZE PC.

- 133 MHz Pentium, 120 MHz Pentium, 100 MHz Pentium, 75 MHz Pentium processors (P/133, P/120, P/100, P/75)
- Pentium OverDrive processor upgradable
- 256 KB cache standard
- Integrated PCI-Based 64-bit ATI graphics
- Integrated 16-Bit Sound Blaster®-compatible audio
- AST-CommandCenter™ software utilities
- 4 drive bays
- 4 expansion slots (two 32-bit PCI and two 16-bit ISA)

BRAVO MS-T. A MINI-TOWER WITH ROOM FOR EXPANSION THAT STILL FITS ON YOUR DESK.

- 133 MHz Pentium, 120 MHz Pentium, 100 MHz Pentium processors (P/133, P/120, P/100)
- Pentium OverDrive processor upgradable
- 256 KB cache standard
- Integrated PCI-Based 64-Bit ATI graphics
- Integrated 16-Bit Sound Blaster-compatible audio
- AST-CommandCenter software utilities
- 7 drive bays
- 7 expansion slots (two 32-bit PCI and five 16-bit ISA)

BRAVO LC. SIMPLY THE BEST VALUE, AT THE LOWEST COST.

- Cyrix® P/100, Cyrix P/75 processors
- Pentium OverDrive processor upgradable
- 128 (P/75) or 256 (P/100) KB cache standard
- Accelerated PCI local-bus graphics
- 64-bit ATI mach64™ (P/100), 32-bit Trident 9440 (P/75)
- 5 drive bays
- 5 expansion slots (two 32-bit PCI and three 16-bit ISA)

THE ASCENTIA SERIES.

Today's mobile professionals manage 12 hour days and marathon presentations regularly, so they need tools that work as hard as they do, anytime, anywhere. The AST Ascentia series is up to the task, with the largest screens in their class, long-life Lithium Ion batteries, SmartPoint™ track sticks and high speed processors. Ascentia is what mobile computing is all about.

ASCENTIA 950N. THE PENTIUM NOTEBOOK THAT PUTS IT ALL TOGETHER.

- 90 MHz and 75 MHz Intel® Pentium processors
- 2-6 hours battery life with intelligent power management and Lithium Ion technology -- outstanding for a Pentium notebook
- Super VGA 10.4" (diagonal) Dual-Scan STN color LCD or TFT Active-Matrix color LCD for 800 x 600 resolution on screen
- 8 MB standard RAM expandable to 40 MB
- Two Type II or one Type III PC Card expansion slots
- 16-bit Sound Blaster Vibra 16 sound system, embedded microphone and speaker
- Infrared wireless communications port
- Extremely portable - under 6.5 pounds (2.9 kg)

ASCENTIA 910N. HIGH PERFORMANCE MOBILE COMPUTING MADE AFFORDABLE.

- 75 MHz IntelDX4™, 50 MHz 486DX2 processors
- 6-10 hours battery life with intelligent power management and Lithium Ion technology
- 10.3" (diagonal) Dual-Scan STN color LCD or 10.4" TFT Active-Matrix color LCD
- 8 MB standard RAM expandable to 32 MB
- Two Type II or one Type III PC Card expansion slots
- Integrated SmartPoint track stick pointing device
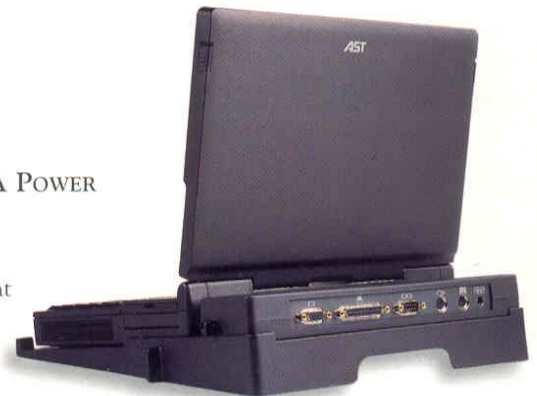
ASCENTIA 810N. THE VALUE NOTEBOOK THAT WORKS LIKE A POWER NOTEBOOK.

- 66 MHz Cyrix 486DX2 processor
- Up to 6 hours battery life with intelligent power management (on two batteries)
- 10.4" (diagonal) Dual-Scan STN color LCD
- 4 MB standard RAM expandable to 20 MB
- Two Type II or one Type III PC Card expansion slots
- Integrated SmartPoint trackball

ProStation™ desktop docking station allows your notebook to conveniently function as a desktop. And the optional multimedia model also includes a quad-speed CD-ROM, two 7 watt external speakers, and attachable microphone.

- 2 drive bays
- 2 16-bit expansion slots (1 full-length and 1 half-length)
- 2 serial, 1 parallel, 1 monitor interface, 1 PS/2 mouse, 1 AT keyboard, 1 expansion port

The EasyPort™ III port replicator allows you to connect your notebook to your keyboard, monitor and power cord with just one snap.

- 1 serial, 1 parallel, 1 monitor interface, 1 mouse and 1 external keyboard ports
- AC adapter (55 watt) included
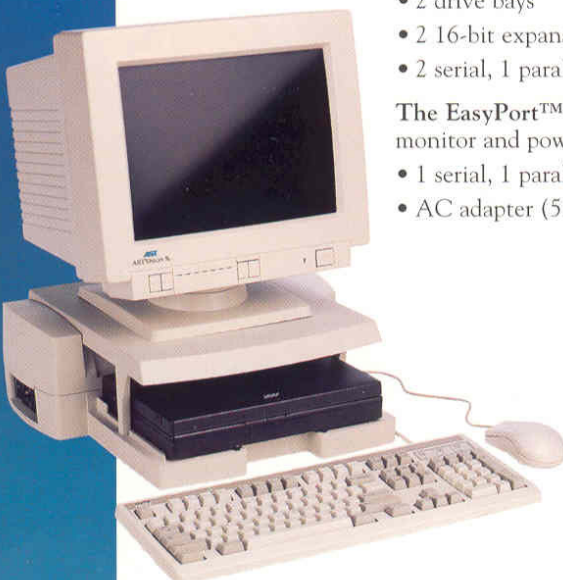
THE MANHATTAN SERIES.

The AST Manhattan servers are ultra-reliable solutions uniquely tailored to a variety of company needs, with scalable power to offer your enterprise, networks and workgroups optimum flexibility and exceptional performance. They include critical networking software, such as AST Percepta™ Server Manager, to simplify network management and enhance ease-of-use. And, of course, Manhattan servers meet all current multi-user and LAN operating systems' standards.

MANHATTAN P. THE NO-COMPROMISE PERFORMER OFFERS AWESOME SPEED IN A LAN SERVER.

- 133 MHz Pentium, 100 MHz Pentium, 90 MHz Pentium
- ECC (error correcting code) memory standard
- ZIF socket for dual CPU capability; MPS 1.1 compliant
- CD-ROM drive on all models
- 2 integrated PCI-based FastSCSI-2 controllers
- Dual channel PCI disk array with ECC on selected models
- 9 drive bays; 6 hot swap
- 8 expansion slots (two PCI, one shared EISA/PCI and five EISA with one PCI slot used by disk array)
- Temperature and voltage monitoring

MANHATTAN V. ASTOUNDING SPEED AND PERFORMANCE, AFFORDABLY PRICED.

- 90 MHz Pentium
- ZIF socket for dual CPU capability; MPS 1.1 compliant
- CD-ROM on all models except 3S
- Integrated single channel PCI FastSCSI-2 controller
- 9 drive bays
- 8 expansion slots (five EISA, two PCI, one shared EISA/PCI slot)
- Temperature and voltage monitoring

MANHATTAN HIGHRISE™.

- The ideal systems cabinet for consolidating Manhattan P or V Series servers
- Allows control of up to 4 servers (or XP expansion cabinets) from a single monitor, keyboard and mouse
- Complete with cable kit to connect servers, keyboard, mouse and monitor
- Forced air cooling keeps systems in optimum operating environment
- Support for 19" rack-mount devices

MANHATTAN UPS 1000.

- Uninterruptible power supply featuring battery management, buck boost voltage control and easy installation
- Includes AST LanSafe III™ power management software (for easy interface to stand-alone servers or networks)
- Supports the following network operating systems: Novell® NetWare®, Windows NT®, Unix, and OS/2

ADVANTAGE! HOME COMPUTERS.

For those who appreciate AST value in the office, there's an AST solution perfect for the home office as well. AST offers a complete line of powerful desktops designed for the home, or the home office, available at major electronics retailers. They're perfect computers for your entire family.

Packed with an incredible array of software plus built-in CD-ROM and fax/data modem features, Advantage! PCs educate, entertain, and even answer the phone. Ultra-powerful processing capability ensures they muscle through any applications from the office too.

Advantage! computers come in two configurations: the performance desktop, and an extremely powerful mini-tower.

	Premmia Workstations	Bravo Desktop Series	
	Premmia GX	**Bravo MS**	**Bravo MS-T**
Processors*	• 133 MHz Pentium • 100 MHz Pentium • Dual processor ready	• 133 MHz Pentium • 120 MHz Pentium • 100 MHz Pentium • 75 MHz Pentium	• 133 MHz Pentium • 120 MHz Pentium • 100 MHz Pentium
Cache (Model)	• Synchronous 512 KB (P/133) • Synchronous 256 KB (P/100) • High speed 8 ns synchronous SRAM	• Primary: Integrated 16 KB • Secondary: 256 KB standard	• Primary: Integrated 16 KB • Secondary: 256 KB standard
Memory	• 16 MB or 32 MB expandable to 192 MB	• 8 MB or 16 MB expandable to 128 MB on systemboard	• 8 MB or 16 MB expandable to 128 MB on systemboard
Expansion	• Two 32-bit PCI • Five 32-bit EISA	• Two 32-bit PCI • Two 16-bit ISA	• Two 32-bit PCI • Five 16-bit ISA
Graphics	• PCI 64-bit 3D, 2D, video & graphics hardware acceleration • 2 MB WRAM expandable to 8 MB	• Integrated 64-bit accelerated PCI local-bus graphics (ATI *mach64*) • 1 MB standard, expandable to 2 MB	• Integrated 64-bit accelerated PCI local bus graphics (ATI *mach64*) • 1 MB standard, expandable to 2 MB
Audio		• Integrated 16-bit Sound Blaster-compatible audio	• Integrated 16-bit Sound Blaster-compatible audio
Hard Disk Controller	• PCI-based high-throughput FastSCSI-2 controller with external SCSI connector and auto termination • PCI-based Enhanced IDE drive connectors supporting two devices	• Two Enhanced IDE interfaces support up to four IDE devices	• Two Enhanced IDE interfaces support up to four IDE devices
Drive Bays	• 5	• 4	• 7

Software*	• Windows NT 3.51 configurations
	• Windows 95 configurations
	• DOS 6.22 (Model 3)
	• AST FlashBIOS
		• AST-CommandCenter
		  - AST-VirusShield™
		  - AST-AssetPak™
		  - AST-SystemGuard™
		• AST-VoiceCommand™
		• AST-AudioWorks™
		• Dual install: Windows for Workgroups 3.11 or Windows 95
		• DOS 6.22 (Model 3)
		• AST FlashBIOS
			• AST-CommandCenter
			  - AST-VirusShield
			  - AST-AssetPak
			  - AST-SystemGuard
			• AST-VoiceCommand
			• AST-AudioWorks
			• Dual install: Windows for Workgroups 3.11 or Windows 95
			• DOS 6.22 (Model 3)
			• AST FlashBIOS

Energy Star Certified		• Energy Star Certified and VESA DPMS compliant	• Energy Star Certified and VESA DPMS compliant
Warranty	• 3-year	• 3-year	• 3-year

*Models may vary by country

	Bravo Desktop Series	**Manhattan Server Series**	
Family	Bravo LC	Manhattan P	Manhattan V
Processors*	• Cyrix P/100 • Cyrix P/75	• 133 MHz Pentium • 100 MHz Pentium • 90 MHz Pentium • Dual Pentium CPU capable	• 90 MHz Pentium • Dual Pentium CPU capable
Cache (Model)	• Primary: Integrated 16 KB • Secondary: 128 KB standard-P/75; 256 KB standard-P/100	• 256 KB (P5090) or 512 KB (P5100 & P5133) second-level write-back • Integrated 16 KB	• 256 KB second-level write-back • Integrated 16 KB
Memory	• 8 MB or 16 MB expandable to 128 MB on systemboard	• 16 MB (P5090) ECC RAM or 32 MB (P5100 & P5133) ECC RAM expandable to 256 MB on board	• 16 MB (V5090) Parity RAM or 32 MB (V5100) Parity RAM expandable to 256 MB on board
Expansion	• Two 32-bit PCI • Three 16-bit ISA	• Two PCI • One shared EISA/PCI • Five EISA	• Two PCI • One shared EISA/PCI • Five EISA
Graphics	• PCI local-bus graphics • 1 MB standard, expandable to 2 MB	• 512 KB video memory	• 512 KB video memory
Hard Disk Controller	• Integrated PCI Enhanced IDE	• 2 integrated PCI-based high-throughput FastSCSI-2 channels • Dual channel PCI disk array with ECC on selected models	• Integrated single channel PCI FastSCSI-2 controller
Drive Bays	• 5	• 9	• 9

Software	• AST-CommandCenter
	  - AST-VirusShield
	  - AST-AssetPak
	  - AST-SystemGuard (P/100 only)
	• DOS 6.22 (Model 3)
	• Dual install: Windows for Workgroups 3.11 or Windows 95
		• AST FlashBIOS
		• AST Percepta Server Manager
		• Advanced Diagnostics & SCSI Drivers
			• AST FlashBIOS
			• AST Percepta Server Manager
			• Advanced Diagnostics & SCSI Drivers

Energy Star Certified	• Energy Star Certified and VESA DPMS compliant		
Warranty	• 1-year	• 3-year on-site	• 3-year on-site

MANHATTAN OPTIONS	V	P		V	P
Memory Expansion			**CPU**		
16 MB JEDEC			Intel 90 MHz, 100 MHz, 133 MHz Pentium Processor	x	x
(Two 8 MB 70ns parity SIMMs)	x		**Disk Array/SCSI HBA Controllers**		
16 MB ECC (Two 8 MB ECC SIMMs)		x	PCI SCSI HBA Card		x
32 MB JEDEC			PCI Dual-Channel FastSCSI Disk		
(Two 16 MB 70ns parity SIMMs)	x		Array Controller		x
32 MB ECC (Two 16 MB ECC SIMMs)		x	External Cable Kit		
64 MB JEDEC			(to attach SCSI channel to XP)	x	x
(Two 32 MB 70ns parity SIMMs)	x		External Cable Kit		
64 MB ECC (Two 32 MB ECC SIMMs)		x	(to attach SCSI Disk Array to XP)	x	x
Peripheral Expansion Cabinet			4 MB Cache Option for Array Controller		x
Manhattan XP	x	x	16 MB Cache Option for Array Controller		x
Manhattan HighRise	x	x	**Power Management**		
Mass Storage Devices/Installation			Manhattan UPS 1000 (115V)	x	x
1 GB FastSCSI-2 HD	x		Manhattan UPS 1000 (230V)	x	x
1 GB FastSCSI-2 HD with tray		x	**Advanced Server Mgmt. Under Novell NetWare**		
2 GB FastSCSI-2 HD	x		Percepta Remote (w/ PCMCIA modem)	x	x
2 GB FastSCSI-2 HD with tray		x	Percepta Remote	x	x
4 GB FastSCSI-2 HD	x		**Network Interface Cards**		
4 GB FastSCSI-2 HD with tray		x	Ethernet Adapter	x	x
SCSI Backplane Tray (3.5" HD)		x			

Ascentia Notebook Series

	Ascentia 950N	Ascentia 910N	Ascentia 810N
Processors*	• 90 MHz Intel Pentium • 75 MHz Intel Pentium	• 75 MHz Intel 486DX4 • 50 MHz Intel 486DX2	• 66 MHz Cyrix 486DX2
Cache (Model)	• 256 KB second level write-back	• Integrated 8 KB and 16 KB	• Integrated 8 KB Level 1 write-back
Memory	• 8 MB expandable to 40 MB	• 8 MB expandable to 32 MB	• 4 MB expandable to 20 MB
Expansion	• Two Type II or one Type III expansion slots	• Two Type II or one Type III expansion slots	• Two Type II or one Type III expansion slots
Battery Life	• 2-6 hours with Lithium Ion	• 6-10 hours with intelligent power management and Lithium Ion technology	• Up to 6 hours with intelligent power management • Dual battery capable
Hard Disk Controller	• 10.4" (diagonal) Super VGA Dual-Scan STN color LCD with 32-bit local-bus accelerated graphics • 10.4" (diagonal) Super VGA TFT-Active Matrix color LCD with 32-bit local-bus accelerated graphics	• 10.3" (diagonal) Dual-Scan STN color LCD with 16-bit local-bus accelerated graphics with BitBLT • 10.4" (diagonal) TFT-Active Matrix color LCD with 32-bit local-bus accelerated graphics with BitBLT	• 10.4" (diagonal) Dual-Scan STN color LCD with 16-bit local-bus accelerated graphics with BitBLT
Keyboard	• Full-size with SmartPoint integrated track stick	• Full-size with SmartPoint integrated track stick	• Full-size with SmartPoint integrated track stick
Software	• MS-DOS and Windows • ConnectSoft E-Mail Connection • PUMA TranXit • Delrina WinFax Lite and COMit LITE • Prodigy, America Online, CompuServe starter kits • News Electronic Data - TAXI • OAG FlightDisk • SystemSoft Card and Socket Services • Microsoft Run Time Video for Windows • Creative Labs Sound Blaster applications • Dual Install: Windows for Workgroups 3.11 or Windows 95	• MS-DOS and Windows • Lotus Organizer • ConnectSoft E-mail Connection • Traveling Software Laplink Remote Access • Delrina WinFax Lite and COMit LITE • Prodigy, America Online, CompuServe starter kits • News Electronic Data - TAXI • Official Airlines Guides (OAG) FlightDisk • SystemSoft PCMCIA card and Socket Services	• MS-DOS and Windows • Lotus Organizer • ConnectSoft E-Mail Connection • Traveling Software LapLink Remote Access • Delrina WinFax Lite and COMit LITE • SystemSoft PCMCIA Card and Socket Services • Prodigy, America Online, CompuServe starter kits
Energy Star Certified	• Energy Star Certified	• Energy Star Certified	• Energy Star Certified
Warranty	• 3-year worldwide limited	• 3-year worldwide limited	• 3-year worldwide limited
Weight	• 6.2 lbs. (2.78 kg) (STN) • 6.4 lbs. (2.87 kg) (TFT)	• 6.1 lbs. (2.73 kg) (STN) • 6.3 lbs. (2.82 kg) (TFT)	• 5.9 lbs. (2.64 kg)

ASCENTIA ACCESSORIES

	810N	910N	950N		810N	910N	950N
4 MB Memory Upgrade	x	x		Auto Adapter	x	x	x
8 MB Memory Upgrade	x	x	x	AC Adapter	x	x	x
16 MB Memory Upgrade	x	x	x	Kensington Cable Lock		x	x
510 MB Hard Drive Upgrade	x	x	x	Hard Drive Carrying Case		x	x
700 MB Hard Drive Upgrade		x	x	Leather Carrying Case	x	x	x
800 MB Hard Drive Upgrade		x	x	Nylon Carrying Case	x	x	x
1.2 GB Hard Drive Upgrade		x	x	External keyboard	x	x	x
Lithium Ion Battery Pack		x	x	Numeric Keypad	x	x	x
NiMH Battery Pack	x			**PC Card Adapters:**			
ProStation Docking Station		x	x	10BaseT Ethernet Adapter	x	x	x
ProStation Multimedia		x	x	Token-Ring 16/4 Adapter	x	x	x
EasyPort III Port Replicator		x	x	SCSI Adapter	x	x	x
Y-cable Splitter/Keyboard Adapter		x	x	14.4 Data/Fax Modem	x	x	x
Drive Bay Adapter		x	x	(Cellular Ready)			

AST SERVICE & SUPPORT.

At AST, we understand the need for quality, affordable service and support after the sale. That's why we offer a host of multi-source support programs and options to tailor service to your particular needs.

TECHNICAL INFORMATION/SUPPORT

800 727-1278

800 758-0278 (Advantage!)

Multi-vendor, technical, software and operational information.

AST CUSTOMER INFORMATION/SALES INFORMATION

800 876-4278 United States and Canada

714 727-9292 All Other Countries

For product information, fax-back services and to locate a reseller near you.

AST INFOLINE

800 727-1278

800 758-0278 (Advantage!)

An interactive voice response system with fax-response diagnostics and instructions.

AST LIFELINE

800 758-0278

Voice/modem technical support for your Advantage! computer.

AST ADVANTAGE! SOFTWARE SUPPORT LINE

800 210-6329

In-depth technical and operational assistance with major software packages.

INFO-FAX

800 926-1278 United States

905 507-0496 Canada

714 727-8980 All Other Countries

24-hour local and international voice-automated, fax-response product information.

ONLINE! BBS

Our own Bulletin Board Service, listing authorized service centers, product announcements, downloadable diagnostic and utility software and more. A help utility with an intuitive graphical interface that operates worldwide.

(9600/14,400 BBS:) 817 230-6850

ONLINE FORUMS

Talk, meet, share ideas, and answer questions with other AST users.

CompuServe: (GO:ASTFORUM)

Prodigy: (JUMP:AST SUPPORT)

WARRANTY EXTENSION/UPGRADES

800 727-1278

SPARE PARTS

800 GO4-AST1

800 727-1278

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