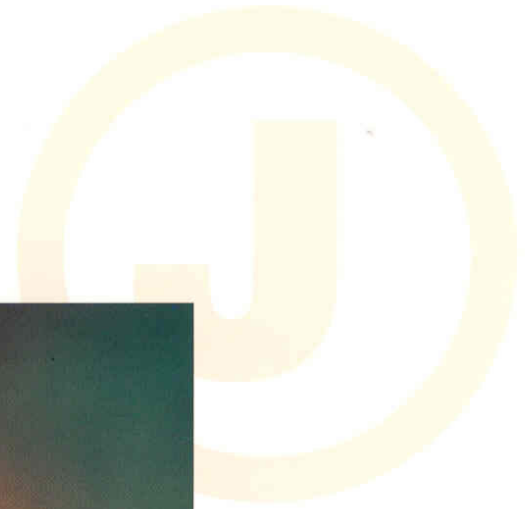# ASCENTIA™ J

[S E R I E S]

THE NEW,

PERSONAL

NOTEBOOK

AST COMPUTER

ASCENTIA™ J

THE NEW, PERSONAL NOTEBOOK. POWER AND VERSATILITY IN ONE.

■ AST Computer has made the Ascentia J Series notebook the new model of personal computing freedom. Intel® Pentium® processing with up to 256 KB of level 2 cache puts the power into word processing, spreadsheet and business graphics applications. ■ An advanced ergonomic design, featuring a palm rest, "SmartPoint"™ track stick pointing device and special Windows® 95 keys, provides comfort beyond your wildest dreams. It's so lightweight, you can take it anywhere at a moment's notice, yet, it boasts an extraordinary battery life. Other highly desirable attributes include integrated 16-bit sound, an integrated data/fax modem for instant connectivity, and large Super VGA 800 x 600 resolution TFT Active-Matrix color screens. ■ Two PC Card slots allow for expansion and connectivity options. And a removable hard drive offers extra storage, flexibility and increased security. Feature for feature, the Ascentia J Series has taken the notebook computer to a higher plateau in personal comfort, ease-of-use and ergonomic achievements.

[**P E R S O N A L**]

- Choose from Intel P/100 or P/75 Pentium processing with up to 256 KB level 2 cache

- Ergonomically advanced design, featuring a palm rest and "SmartPoint" track stick pointing device

- Lightweight 5.8 lbs. (2.65 kg.)

- 10.4" (26.4 cm) diagonal screens, available in Super VGA (800 x 600) resolution with Dual-Scan STN or TFT Active-Matrix color

- Lithium Ion battery with AST® intelligent power management for up to 3-4 hours of battery life

- Integrated modem for easy connectivity

- Pre-installed Windows 95 and special Windows 95 keys on keyboard

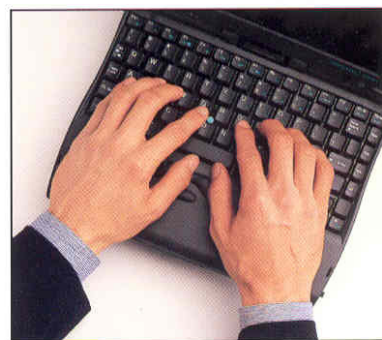- Multimedia support with 16-bit integrated sound, built in microphone and speakers

A VARIETY OF SOLUTIONS FOR PEOPLE ON THE GO.

Now, people from all walks of life can greatly enhance their productivity. Whether you're a small business owner, sales representative, consultant or college student, the Ascentia J Series offers you the personal freedom to achieve your best, wherever you may be. Mobilize key staff members off premises. Impress clients with spellbinding presentations in the comfort of their office. Compute calculations in the car. Write a report in the great outdoors. Whatever your agenda holds in store, the Ascentia J Series provides you with an endless array of possibilities from the word "go."

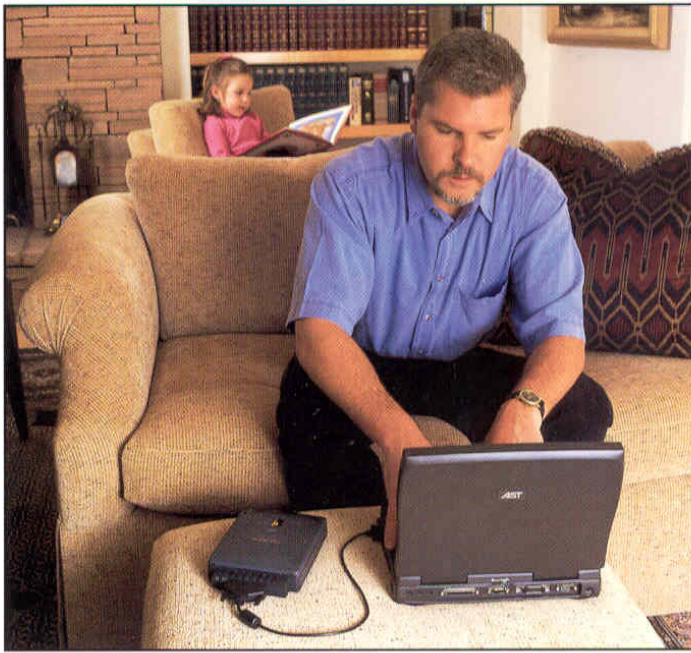## ERGONOMICALLY DESIGNED FOR COMFORT.

This revolutionary new design features a palm rest and "SmartPoint" track stick pointing device that's integrated right onto the keyboard, so your hands never have to move very far. Special Windows 95 keys allow you to save time with handy shortcuts. These tactile innovations combine comfort and convenience for unparalleled productivity, so the quality of your work is elevated to dramatic new heights. Now, with the advent of the Ascentia J Series, personal computing is more personal than ever.

LARGER SCREENS FOR OUTSTANDING CLARITY.

The Ascentia J Series features large, easy-to-view, Dual-Scan STN or TFT Active-Matrix 10.4" diagonal screens. Available in Super VGA, at 800 x 600 resolution, these vibrant screens display up to 56% more information than comparable VGA 640 x 480 screens. And with 32-bit PCI bus accelerated graphics, plus a full 1 MB of video memory, your graphics-intensive applications instantly light up the screen. The large, responsive LCD makes the Ascentia J Series not only a practical investment, but the absolute logical choice.
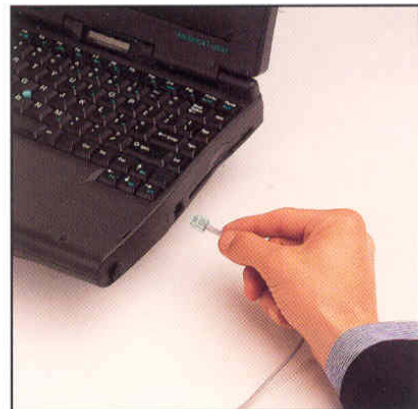
MAXIMIZING BATTERY LIFE.

Utilizing advanced Lithium Ion technology, AST's intelligent power management features are always working to conserve battery life. That's why the Ascentia J Series provides you with three to four solid hours of computing time. In "standby" mode, the variable speed processor automatically slows down when applications and peripherals are idle, yet increases speed when demands are made. That means major system components can be powered down to conserve energy. And with the touch of any key, all system components are active again.

INTEGRATED COMMUNICATIONS.

When it comes to the information superhighway, connections are everything. And the Ascentia J Series connects you to all the places you'll ever want to go. The integrated 14.4 data/fax modem lets you fax, modem, and even log into a network. You can send E-Mail and be on the Internet in a blink of an eye. So, if you're in the middle of nowhere, communicating with the rest of the world is simply second nature. In addition, an IRDA infrared port allows wireless data transfer with a variety of peripherals.
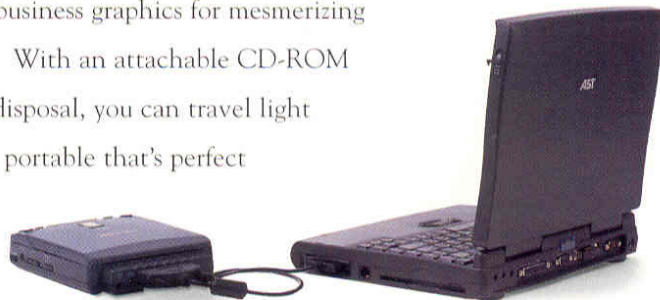

16-BIT INTEGRATED SOUND.

.WAV and MIDI audio functions can easily be incorporated into almost any file or document with integrated 16-bit sound. Add a whole new dimension to your mobile computing capabilities by recording your voice, music or special effects through the embedded microphone and speaker. And microphone and audio line in/out ports allow you to utilize stereo quality external sound systems too.

AST COMPUTER

ACCESSORIES TO MAKE THE MOST OF MOBILE COMPUTING.

■■■ **Attach a CD-ROM drive for Multimedia Versatility.**

Now you can have all the advantages of a CD-ROM, yet remain completely portable. An external CD-ROM drive can be attached to the Ascentia J Series through a PC Card slot, and voila! You're all set to use the latest multimedia CD software, whether it's business tools, sound or video files or business graphics for mesmerizing presentations. With an attachable CD-ROM drive at your disposal, you can travel light and enjoy the portable that's perfect for people who are going places.

Port Replicator for Total Connectivity at Your Desk.

Now you can easily use the Ascentia J Series notebook on your desk, because the convenience of a port replicator puts the function of desktop peripherals at your disposal *in a snap*. This small connecting unit duplicates the ports on your Ascentia J Series, but remains at your desk. Pre-connect any size monitor, mouse, external keyboard and printer to the port replicator, and when you sit down to work, just make one connection to all the devices. Just "plug in" and enjoy the comfort and special features full size peripherals offer you and with just one disconnect, you're free to take the Ascentia J Series notebook out into the wide world again. Such versatility lets you perform in high gear, whether you're in the office or on the road.

AST
COMPUTER

ASCENTIA™ J

THE QUALITY AND SERVICE OF A WORLDWIDE LEADER.

With the Ascentia J Series comes the added confidence of buying a notebook backed by AST, one of the largest personal computer manufacturers in the world. Our 3-year worldwide limited warranty is honored in more than 30 countries around the globe, and the first year includes ExeCare Plus™ offering 48 hour rapid repair, so your AST notebook comes with extra value and extra peace of mind.

WORLDWIDE WARRANTY 3 YEAR

ASCENTIA J

MODELS & PART #S:
- J10 P/75 CSS10 500 MB 8 MB 501788-301
- J30 P/100 CSS10 800 MB 8 MB 501945-401
- J30 P/100 CTS10 800 MB 8 MB 501946-401

PENTIUM PROCESSORS:
- 75 MHz Intel Pentium - 2.9 v.
- 100 MHz Intel Pentium - 2.9 v.

DISPLAY:
- 10.4" (diagonal) SVGA TFT Active-Matrix color
- 10.4" (diagonal) SVGA Dual-Scan STN color
- Viewing area: 211.2 mm W x 158.4 mm H (8.3" W x 6.25" H)
- Standard resolution: 800 x 600 in 256 colors (STN) 64K colors (TFT)
- Max. resolution: Super VGA 1,024 x 768 in 256 colors (Pan Mode)
- Max. resolution on external monitor: 1,024 x 768 in 256 colors
- Contrast ratio: TFT-80:1 DS-25:1
- Dot Pitch: 0.264 mm x 0.264 mm

GRAPHICS:
- Chips &Technologies graphics controller 65548
- 32-bit PCI bus accelerated graphics
- 1 MB video memory (simultaneous internal/external monitor support)
- Windows GUI accelerator

MEMORY:
- 8 MB standard, expandable to 40 MB
- 256 KB level 2 cache

POWER MANAGEMENT:
- APM support
- Suspend and SmartSleep
- 3-4 hours battery life with Lithium Ion battery pack

BATTERY:
- Charge time: Approx. 2.5 hours (system off), approx. 5 hours (system on)
- Battery: 3.25" W x 7.25" D x 0.75" H (8.25 cm W x 18.4 cm D x 1.9 cm H)
- Nominal open circuit voltage: 10.8V
- Battery capacity: 40.50 mAHr, 43.7 watt Hr

AC ADAPTER:
- Full-range: 100-240V
- 2.4" W x 4.1" D x 1.1" H (6.0 cm W x 10.5 cm D x 2.8 cm H)
- 0.57 lbs. (0.26 kg)
- Line frequency: 50 Hz - 60 Hz
- Steady state power: 34.2 W
- Input current: 1A 115 v. - 0.5A 230 v.
- Output voltage: 18 VDC
- Output current: 1.9A

DISK DRIVES & PERFORMANCE:
- Floppy: 3.5" 1.44 MB internal
- 500 MB or 800 MB removable hard drive
- Avg. access (seek) time: ≤ 14 msec (800 MB)

OPERATING SYSTEM:
- Windows 95 (Plug and Play)

THIRD PARTY APPLICATIONS:
- ConnectSoft E-Mail Connection
- PUMA TranXit
- Delrina WinFax®
- Prodigy®, America Online®, CompuServe® starter kits
- OAG® FlightDisk

PC CARD EXPANSION SLOTS:
- 2-Type II or 1-Type III

STATUS BAR:
- Power/Power Button, Suspend, Battery, Hard Disk Activity, Num Lock, Scroll Lock, Caps Lock

FLASHBIOS:
- BIOS (256 KB) upgrades performed by AST Authorized Service Centers via a 3.5" upgrade diskette

TEMPERATURE RANGE:
- Operating: 41° to 95° F (5° to 35° C)
- Shipping: -4° to 140° F (-20° to 60° C)
- Relative humidity (non-condensing): 10 to 90% (operating) 8 to 90% (storage)

KEYBOARD:
- 86/87 key keyboard (101/102 key compatible) with palm rest
- Full-size keyboard (19 mm key spacing) with 3 mm travel and 12 dedicated function keys
- Inverted "T" arrow keys
- Two "Click and Drag" buttons located in front of keyboard
- Integrated SmartPoint track stick
- Keyboard volume control

DIMENSIONS & WEIGHTS:
- 11.4" W x 9.0" D x 1.9" H (28.9 cm W x 22.8 cm D x 4.7 cm H)
- 5.8 lbs. (2.65 kg)

STANDARD I/O PORTS:
- 1 serial port (16550 UART) (9-pin D-shell connector)
- 1 parallel port, bi-directional, EPP, ECP (25-pin D-shell connector)
- Video: 15-pin D-shell connector
- Mouse/keyboard/pad: PS/2 6-pin connector
- Expansion connector: connect optional port replicator
- Infrared port (IRDA compatible)
- 14.4 kbps data/fax modem (U.S. only)

AUDIO:
- ESS 16 Bit Sound Blaster® Compatible MIDI and .WAV support
- Embedded stereo speakers and microphone
- Audio line in and out
- Microphone in

SECURITY:
- Administrator password
- User password
- HDD boot sector protection
- Lock floppy
- Password backup
- Kensington cable lock

DOCUMENTATION:
- Online Manual
- User's Manual
- Windows 95 Guide
- Surviving Day 1 of Windows 95

3-YEAR WORLDWIDE LIMITED WARRANTY:
- Year 1: ExeCare Plus 48 hour rapid repair (U.S. only)
- Years 2-3: Worldwide Carry-in service

energy EPA POLLUTION PREVENTER

AST COMPUTER®