

# ASCENTIA™ J

[ S E R I E S ]



THE LEGACY OF

AWARD WINNERS

CONTINUES

**AST**<sup>®</sup>  
COMPUTER

# ASCENTIA™ J

## MOBILE COMPUTING POWER WITH THE VERSATILE PERSONAL NOTEBOOK

■ AST Computer has made the  
Ascentia J Series notebook the new



model of personal computing freedom. An Intel® Pentium® processor with 256 KB of level-2 cache puts the



**pentium®**  
PROCESSOR

power into word processing, spreadsheet and business graphics applications. ■ An advanced

ergonomic design, featuring a palm rest, "SmartPoint"™ trackstick 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 high-speed data/fax modem for

instant connectivity, and large Super VGA 800 x 600 resolution Dual-Scan STN or TFT Active-Matrix

color screens. ■ Two PC Card slots allow for expansion and connectivity options. And a large

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 achievement.

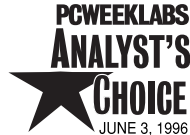
[ P E R S O N A L ]

## KEY FEATURES:

- Choose from 133 MHz or 120 MHz Intel® Pentium® processors with 256 KB level-2 cache
- 11.3" diagonal Super VGA screen with Dual-Scan STN or TFT Active-Matrix color
- Lithium Ion battery with AST intelligent power management for 3+ hours of battery life
- Integrated high-speed 33.6 kbps modem for easy connectivity
- Multimedia support with 16-bit integrated sound, built in microphone and speaker
- Choice of Windows 95 or Windows for Workgroups operating system
- Ergonomically advanced design, featuring a palm rest and "SmartPoint" trackstick pointing device
- Special Windows 95 keys on keyboard
- Lightweight 5.8 lbs. (2.65 kg.)

## AWARD-WINNING FAMILY HISTORY

The Ascentia J Series is a highly acclaimed family of personal notebooks. In fact, the Ascentia J50 received the "Editors' Choice Award" from



*PC Magazine*. *PC Week* said the J50 "provides fast performance in a small package at a reasonable price," and gave it their coveted "Analyst's Choice Award." *Windows Magazine* said the Ascentia J30 offered "an exceptional combination of functionality, performance and price" and promptly awarded it the "Win 100 Best Hardware of the Year Award" which recognized the "very best products of the last year." The Ascentia J Series has also garnered outstanding reviews in *Mobile Office*, *Windows Sources* and *PC Today* who declared, "[the] Ascentia J50 was among the most exciting value-line notebooks we've seen." With its quality track record and testimonials like these, any new member of the Ascentia Family is an award waiting to happen.

## ERGONOMICALLY DESIGNED FOR COMFORT

This revolutionary new design features a palm rest and "SmartPoint" trackstick 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. When discussing the J50 in its August '96 issue, even *PC Today*



was moved to say that "next to its speed, the most impressive element is its design. The Ascentia J50 abandons the grim, gray box for aesthetic curves and one of the most ergonomic layouts we've used." Just more validation that with the advent of the Ascentia J Series, personal computing is more personal than ever.



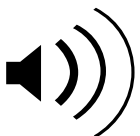
## LARGER SCREENS FOR OUTSTANDING CLARITY

The Ascentia J Series feature large, easy-to-view, Dual-Scan STN or TFT Active-Matrix 11.3" 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. Just ask *Mobile Office* magazine when they reviewed the J50 in May of '96 they said, "the units gorgeous SVGA Active Matrix screen...fairly knocked our socks off." Enough said.

## 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 at least three solid hours of computing time. And sure enough, when *PC Today* reviewed the J50 in their August '96 issue, they found they were "consistently able to get a solid three hours from the Lithium Ion Battery, and, on one occasion, received close to four." That is because in "standby" mode, the variable speed processor automatically slows down when applications and peripherals are idle, yet increases speed when demands are made. Therefore 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 fast, integrated 33.6 kbps modem lets you remotely sign on to your corporate network or fax quotations to key clients. 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.

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## 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.



## 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 most PC monitors, mice, external keyboards and printers 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.

## ACCESSORIES:

To order your Ascentia J Series accessories, call 1-800-876-4278 to locate your local AST reseller. For your convenience, part numbers have been included to make ordering easy. Call for pricing.

**8 MB (5 v.) Memory Upgrade**  
501984-001

**16 MB (5 v.) Memory Upgrade**  
501985-001

**32 MB (5 v.) Memory Upgrade**  
501986-001

**Lithium Ion Battery Pack**  
501983-001

**Auto Adapter**  
501987-001

**AC Adapter**  
501988-001

**Desktop Infrared Adapter**  
501748-001

**External Keyboard (Pearl; Windows 95)**  
501911-001

**Numeric Keypad**  
503096-001

**1.35 GB Hard Drive Upgrade**  
503097-001

**Port Replicator**  
501990-001

**External Battery Cradle  
(Lithium Ion or NiMH)**  
501991-002

**Kensington Security Cable Lock**  
500994-001

**Leather Carrying Case**  
501587-001

**Nylon Carrying Case**  
501588-001

**Travel Kit including Auto Adapter,  
Lithium Ion Battery Pack,  
External Battery Cradle**  
501992-001

**PC Card Adapters  
Token-Ring 16/4 Adapter II**  
501554-001

**28.8 Data/Fax Modem (Cellular Ready)**  
501913-001

**ASTVision™ Monitors**

**41-14" Diagonal (13.2" Viewable)**  
503025-001

**4N-14" Diagonal (13.2" Viewable)**  
503110-001

**5L-15" Diagonal (13.8" Viewable)**  
501930-001

**7L-17" Diagonal (15.75" Viewable)**  
501931-001

**7H-17" Diagonal (15.75" Viewable)**  
501933-001

**21H-21" Diagonal (20" Viewable)**  
501934-001



## THE QUALITY AND SERVICE OF A WORLDWIDE LEADER

With the Ascentia J Series you enjoy the added confidence of buying a notebook backed by AST, one of the largest personal computer manufacturers in the world. Our 3-year worldwide warranty and other optional service programs are honored in over 30 countries. Our ExeCare Plus™ 48-Hour Repair\* warranty comes standard the first year. And now, AST offers its exceptional ExpressONE™ plan\*, an optional next business day, on-site notebook replacement service, giving your AST notebook extra value...and you extra peace of mind. \*U.S. ONLY



### ASCENTIA J

#### MODELS & PART NUMBERS:

- J40 P/120 CSS11.3 1 GB/16 503146-501
- J40 P/120 CTS11.3 1 GB/16 503147-501
- J55 P/133 CTS11.3 1 GB/16 503171-501

#### INTEL® PENTIUM® PROCESSORS:

- 120 MHz or 133 MHz

#### MEMORY:

- 16 MB standard, expandable to 40 MB
- 256 KB level-2 cache

#### DISPLAY:

- 11.3" diagonal SVGA TFT Active-Matrix color (CTS) or Dual-Scan STN color (CSS)
- Viewing area: 9.0" W x 6.77" H (22.92 cm x 17.19" cm)
- Standard resolution: 800 x 600 x 256 colors (STN), 64 K colors (TFT)
- Max. resolution on external monitor: 1280 x 1024 x 16 colors
- Contrast ratio: TFT - 100:1, STN - 30:1
- Dot pitch: .095 mm W x .286 mm H

#### DISK DRIVES & PERFORMANCE:

- Floppy: 3.5" 1.44 MB internal
- 1 GB upgradable hard drive
- Avg. access (seek) time: < 12 msec

#### GRAPHICS:

- Chips and Technologies graphics controller 65548
- 32-bit PCI bus accelerated graphics
- 1 MB video memory
- Simultaneous internal/external monitor support
- Windows GUI accelerators
- Enhanced video drivers support

#### POWER MANAGEMENT:

- Advanced Power Management (APM) support
- Suspend and SmartSleep

#### BATTERY:

- 3+ hours battery life with Lithium Ion battery
- Battery size: 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)
- Charge time (system off): 2.5 hours to 90%
- Charge time (system on): 5 hours to 90%
- Nominal open circuit voltage: 10.8V
- Battery capacity: 40.50mAhr, 43.7Whr

#### AC ADAPTER:

- Auto sensing 100/240V
- Size: 2.4" W x 4.1" D x 1.1" H (6.0 cm W x 10.4 cm D x 2.8 cm H)
- Weight: 0.57 lbs. (0.26 kg)
- Line frequency: 50 Hz - 60 Hz
- Steady state power: 34.2W (TFT) (w/o power management)
- Input current: 1A 115V - 0.5A 230V
- Output voltage: 18VDC
- Output current: 1.9A

#### PC CARD EXPANSION SLOTS:

- 2-Type II or 1-Type III

#### LCD STATUS DISPLAY PANEL:

- Power button, suspend, battery activity 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

#### KEYBOARD:

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

#### AUDIO:

- Integrated ESS 16-bit Sound Blaster® compatible
- MIDI and .WAV support
- Embedded speaker and microphone
- 8/16-bit stereo/mono playback and recording
- MPU 401 UART mode-compatible
- Fully compatible with multimedia PC level-2 specifications
- Hot key volume and balance control

#### STANDARD I/O PORTS:

- 1 serial port (16550 UART) (9-pin D-shell connector)
- 1 parallel, bi-directional, EPP, ECP Port (25-pin D-shell connector)
- 1 analog VGA port (15-pin D-shell connector)
- 1 PS/2 mouse/keyboard/keypad port (6-pin connector)
- Expansion connector: connect optional port replicator
- 1 two-way infrared port
- Integrated 33.6 kbps data/fax modem (U.S. only)

- 1 microphone-in port (mono 1/8" phone jack)
- 1 line-in port (stereo 1/8" phone jack)
- 1 line-out port (stereo 1/8" phone jack)
- DC power jack

#### SECURITY:

- Administrator password
- User password
- HDD boot sector protection
- Floppy lock
- Password backup
- Kensington cable lock support

#### 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)

#### TEMPERATURE RANGE:

- Operating: 41° to 95° F (5° to 35° C)
- Shipping: -4° to 147° F (-20° to 65° C)
- Relative humidity (non-condensing): 10 to 90% (operating) 8 to 90% (storage)

#### OPERATING SYSTEM:

- Windows 95/Windows for Workgroups dual install

#### THIRD-PARTY APPLICATIONS:

- ConnectSoft E-Mail Connection
- PUMA TranXit
- Delrina WinFAX® and COMit LITE
- Prodigy®, America Online® and CompuServe® starter kits
- OAG® FlightDisk

#### DOCUMENTATION:

- Online Manual
- User's Manual
- Windows 95 Guide
- Surviving Day 1 of Windows 95
- AST Quick Start Guide

#### 3-YEAR WORLDWIDE WARRANTY:

- Year 1: ExeCare Plus™ 48-hour repair (U.S. only)
- Years 2-3: Worldwide carry-in service
- Optional: ExpressONE™ overnight notebook exchange (U.S. only)

**ExpressONE™**  
Overnight Notebook Exchange

**PLUS™**  
**EXECARE**  
48-HOUR REPAIR

### WORLDWIDE HEADQUARTERS

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### HONG KONG

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### INDONESIA

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### ITALY

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