

# ASCENTIA™ J55



THE LEGACY OF  
AWARD WINNERS  
CONTINUES

**AST**  
COMPUTER

# ASCENTIA™ J55

## 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.

### ASCENTIA™ J55

#### MODEL & PART NUMBER:

- J55 P/133 CTS11.3 1 GB/16 503171-501

#### INTEL® PENTIUM® PROCESSOR:

- 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)
- Viewing area: 9.0" W x 6.77" H (22.92 cm x 17.19 cm)
- Standard resolution: 64 K colors
- Max. resolution on external monitor: 1280 x 1024 x 16 colors
- Contrast ratio: 100:1
- 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 (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:

- Microsoft® 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

## WORLDWIDE HEADQUARTERS

AST Research, Inc.  
16215 Alton Parkway  
Irvine, CA 92618-3618  
In the U.S. and Canada  
Call 1-(800) 876-4278  
International inquiries  
Call (+1) (714) 727-9292

WORLDWIDE WEB ADDRESS:  
<http://www.ast.com>

## AFRICA

Tel: (+44) 181-587-3000

## AUSTRALIA

Tel: (+61) 2-9952-6400

## BELGIUM

Tel: +32 3 450 87 20

## CANADA

Tel: (+1) (905) 507-3278

## CHINA, PEOPLE'S REPUBLIC

Tel: (+86) 10-6849-8318

## DENMARK

Tel: +45 45 17 02 00

## FINLAND

Tel: (+358) 9-5492 5400

## FRANCE

Tel: (+33) 1-47-52-22-22

## HONG KONG

Tel: (+852) 2806-4333

## INDONESIA

Tel: (+62) 21-526-7951

## ITALY

Tel: (+39) 2-269751

## LATIN AMERICA/MEXICO

Tel: (+1) (214) 702-0388

## MALAYSIA

Tel: (+60)-3-202-3302

## MIDDLE EAST

Tel: (+971) 4-816816

## NEW ZEALAND

Tel: (+64) 9-308-2530

## NORWAY

Tel: (+47) 66-84 21 00

## PAKISTAN

Tel: (+92) 21-577953/576946

## SINGAPORE

Tel: (+65) 4711312

## SWEDEN

Tel: (+46) 8-473 73 00

## SWITZERLAND

Tel: (+41) 1-744-58-58

## THAILAND

Tel: (+66)-2-655 1491/1495

## U.K./EIRE/EUROPE

Tel: (+44) 181-587-3000

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U.S. English Version 11/96

Printed in the U.S.A.

040006-706

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