

# ASCENTIA™ M

MOBILE COMPUTING MADE EASY

QUALITY AND RELIABILITY FROM A COMPANY THAT KNOWS  
YOUR BUSINESS...AND YOUR BUSINESS REQUIREMENTS

Ascentia M notebooks are backed by the shared resources of AST Computer and Samsung Electronics, a \$92 billion company. So when you purchase from AST, you're not only getting a product from one of the largest and most respected personal computer manufacturers in the world, but you're getting it from a company that is dedicated to responding to the needs of our customers. Because at AST, we're working to make life easier for your business.

## ASCENTIA M FEATURES

**MOBILITY:**

- ASC M5130S P133 CSS12.1/ 1.6 GB/35MB
- ASC M5100T P166 CTS12.1/ 1.6 GB/35MB
- ASC M5140X P166 CTS13.3/2.1 GB/ 32MB/56K Modem
- ASC M5200T P200 CTS12.1/2.1 GB/ 32MB/56K Modem
- ASC M5200T P233 CTS12.1/3.0 GB/ 32MB/56K Modem
- ASC M5200X P233 CTX 13.3/4.0 GB/ 64MB/56K Modem

**INTEL PENTIUM PROCESSORS WITH MMX TECHNOLOGY:**

- 133 MHz, 166 MHz, 200 MHz or 233 MHz

**MEMORY:**

- 32 MB or 64 MB standard, expandable to 128 MB
- 512 KB Level-2 cache
- Extra SODIMM upgrade socket

**DISPLAY:**

- 13.3" diagonal XGA TFT Active-Matrix color
- 12.1" diagonal SVGA TFT Active-Matrix color
- 12.1" diagonal SVGA Dual-Scan STN color
- Viewing area (13.3" XGA): 10.8" W x 8" H
- Viewing area (12.1" TFT): 9.7" W x 7.2" H
- Viewing area (12.1" DSTN): 9.8" W x 7.4" H
- Max. resolution: (12.1" DSTN and 12.1" TFT) 800 x 600 x 256 (13.3" XGA) 1024 x 768 x 256
- Max. resolution on external monitor: 1280 x 1024 x 256
- Contrast ratio: 30:1 (12.1" CSS), 80:1 (12.1" CTS), 150:1 (13.3" CTX)
- Dot Pitch: 284 mm H x 284 mm W (13.3" XGA) 3075 mm H x 3075 mm W (12.1" TFT) 3075 (RGB) H x 284 mm W (12.1" DSTN)

**DISK DRIVE & PERFORMANCE:**

- 20X\* Speed CD-ROM module
- Floppy 3.5" 1.44 MB module
- 4.0 GB, 3.0 GB, 2.1 GB or 1.6 GB
- UltraDMA Support (4.0 GB only)
- Average access (seek) time: 13 ms sec. SmartBay support

**GRAPHICS:**

- Cirrus Logic 7556 graphics controller
- 32-bit PCI bus accelerated graphics
- 64-bit video RAM interface
- 2 MB EDX video memory
- Simultaneous internal/external monitor support
- Windows GDI accelerators
- Enhanced video drivers support
- Direct X/Active X support

**POWER MANAGEMENT:**

- Advanced Power Management (APM) 1.1 support
- LCD off when lid closed
- Suspend to disk
- Suspend to RAM

**SECURITY:**

- User password
- Hard drive sector protection
- System boot, setup, and keyboard/mouse input protection
- Kensington cable lock support
- Removable HDD
- Trial version CompuTrace and Connected Online Backup
- Anti-theft DEFCON 1 option
- McAfee VirusScan

**BATTERY:**

- Lithium Ion (Duracell DR36- Compatible)
- Battery life\*: min. 2 hrs at .5 c discharge rate
- Battery size: 5.5" W x 3.5" D x .8" H
- Weight: 304 lbs
- Charge time (system off): 2 hrs to 90%
- Charge time (system on): 2 hrs to 90%
- Nominal open circuit voltage: 10.8 Vdc
- Number of cells: 9
- Battery capacity: 3800 mAh, 46 whr
- Battery rating: 10.8V/4.55Ahr

**AC ADAPTER:**

- Free voltage sensing 100-240 VAC
- Size: 1.75" W x 4.02" D x 1.04" H
- Weight: 459 lbs
- Line frequency: 50 Hz - 60 Hz
- Input current: 1.0A 100-0.5A 240v
- Output current: 2.1A
- Output voltage: 19.0VDC

**PC CARD EXPANSION SLOTS:**

- 2 Type II or 1 Type III
- T1131 PCMCIA controller
- Zoomed Video support
- 32-bit Card Bus support

**LCD STATUS DISPLAY PANEL:**

- Power, battery status, HDD access, floppy drive access, CD-ROM drive access, caps lock, numeric keypad activated, scroll lock

**FLASHBIOS:**

- BIOS (256 KB) upgrades performed by AST Authorized Service Centers via diskette

**KEYBOARD:**

- 87/88 key keyboard
- 101/102 key compatible
- 19 mm key spacing with 3 mm travel (full size key)
- 12 dedicated function keys
- Inverted "I" arrow keys
- Integrated SmartPoint touchpad (45.8 x 65.1 mm for sensor area)
- Keyboard volume control
- Palm rest
- Mouse buttons

**TEMPERATURE RANGE:**

- Operating: 41° to 95° F (5° to 35° C)
- Shipping: 14° to 112° F (-10° to 50° C)
- Relative humidity (non-condensing): 20 to 80% (operating)
- 15 to 85% (storage)

**AUDIO:**

- Integrated Crystal 4237 Audio
- SRS 3D Sound
- MIDI and WAV support
- Embedded dual stereo speakers and microphone
- 816-bit stereo/mono playback and recording
- High performance 16-bit Sigma Delta Stereo Codec
- Fully compatible with multimedia PC Level 2 specifications
- MPU 401 UART Mode-Compatible
- Volume control switch

**STANDARD I/O PORTS:**

- USB port
- 1 serial port (16550 UART-compatible) (9-pin D-shell connector)
- 1 parallel bi-directional port (25-pin D-shell connector)
- 1 external FDD port (26-pin D-shell connector)
- 1 analog VCA port (6-pin connector)
- 1 PS/2 mouse/keypad/keypad port (6-pin connector)
- PCI expansion connector: connect optional mini-dock/docking station
- 1 two-way infrared port (IrDA-1.2 compatible)
- PCMCIA 56 kbps data/fax modem (on certain models)
- 1 microphone-in port
- 1 line-out port
- 1 line-in port
- DC power jack

**DIMENSIONS & WEIGHTS WITH CD-ROM DRIVE:**

- 12.1" TFT and 12.1" DSTN: 12.1" W x 8.7" D x 1.7" H
- 13.3" XGA: 12.2" W x 9.5" D x 1.8" H
- 12.1" TFT 6.27 lbs
- 12.1" DSTN 6.40 lbs
- 13.3" XGA 6.80 lbs

**OPERATING SYSTEM:**

- Microsoft® Windows® 95 or Microsoft Windows NT, 4.0

**THIRD PARTY APPLICATIONS:**

- PUMA TransX
- CompCore MPEG2or II (MPEG1)
- McAfee® VirusScan
- LapLink® for Windows 95 by Traveling Software
- Cybermedia Oil Change
- Connected On-Line Backup
- Absolute CompuTrace

**3-YEAR WORLDWIDE LIMITED WARRANTY:**

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

\* Battery life estimates subject to variation and actual life may be less  
\*\* CD-ROM speeds may vary



## WORLDWIDE HEADQUARTERS

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**THAILAND**  
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**U.K./IRE/EUROPE**  
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# ASCENTIA™ M

THE BUSINESS NOTEBOOK FOR EVERY SITUATION

Simply put, the Ascentia™ M notebook from AST® is the smartest mobile computing solution on the market. With the most advanced security features in the industry, the Ascentia M provides peace of mind by protecting your system and its data. Plus, with bundled software, warranty options and enhanced customer programs, the Ascentia M combines ease of use features with a unique platform solution that meets the widest range of configurations. This mobile computing powerhouse provides common docking, accessories and peripherals, making the Ascentia M astonishingly simple to integrate into virtually any company's mobile force. And that's just the beginning. The Ascentia M also offers the fastest Intel® Pentium® processors with MMX™ technology, Intel 430TX chipset and 512 KB Level-2 cache. There's no doubt that this latest notebook from AST can easily increase your productivity while lowering your cost of ownership. Whatever your business does, regardless of its size, it could certainly benefit from the powerful simplicity of the Ascentia M.

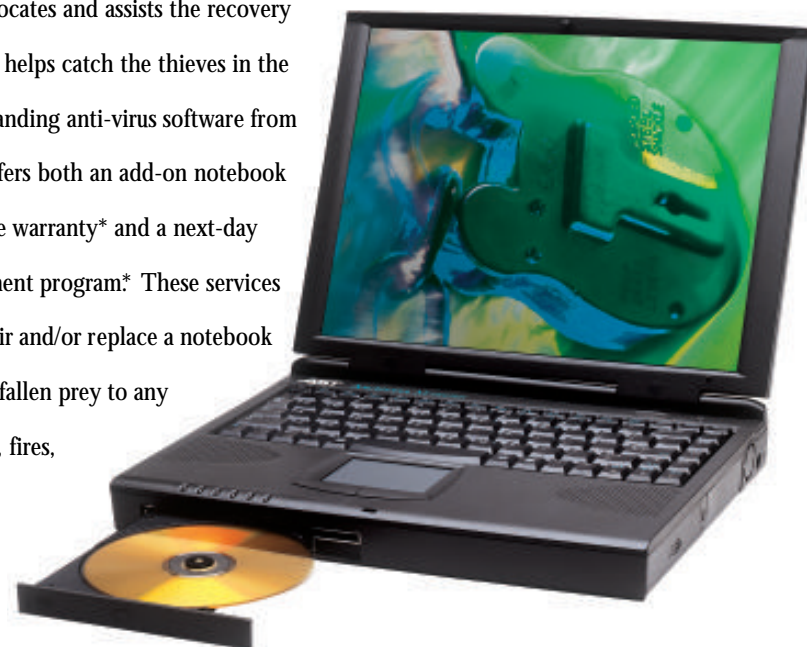
COMPREHENSIVE SECURITY SOLUTIONS KEEP YOUR  
DATA PRIVATE AND YOUR SANITY INTACT

As computing becomes more mobile, the need for greater security becomes paramount. After all, you can't afford to have your confidential information and precious corporate documents compromised. That's why AST has instituted the most thorough security solution available. To begin with, we offer safeguards like a removable hard drive, and options like a Kensington Lock adapter and an anti-theft DEFCON 1 alarm. Next, we've made it easy to try out the finest mobile security available by bundling trial Connected Online Backup and CompuTrace software into your purchase. Connected Online Backup provides single-button, incremental encrypted remote backup technology. By encrypting data during transmission and storage, your information is always available and safe. CompuTrace is the revolutionary software computer tracking system that locates and assists the recovery of lost or stolen laptops — and helps catch the thieves in the process. Also included is outstanding anti-virus software from McAfee®. Finally, AST also offers both an add-on notebook

insurance warranty\* and a next-day replacement program.\* These services will repair and/or replace a notebook that has fallen prey to any

type of disaster like floods, fires, earthquakes or even a light-fingered criminal.

\* Contiguous U.S. only



**AST COMPUTER**  
Working for your business.®

Client: AST  
Job Number: 2456  
Description/Title: Ascentia M Brochure  
Ad Size/Color: 24.75" x 11" - 2 folds  
4C +PMS 605 + PMS 3292 - bleed  
Prepared by: MARKETING AND  
Art Director: Debbie  
Production Artist: M. Metzger  
Laser printout is 65% of actual size



## ACCESSORIES

To order your Ascentia M Series accessories, call 1-800-876-4278 to locate your local AST reseller.

Primary Lithium Ion Battery Pack

External Cradle

Battery Cradle

8 MB Memory Upgrade

16 MB Memory Upgrade

32 MB Memory Upgrade

Auto/Airline Adapter

AC Adapter

Port Replicator

Mini-Dock

Full Docking Station II

External Keyboard (Pearl, Windows 95)

Numeric Keypad

Kensington Security Cable Lock

## EASY SERVICE AND PROTECTION FOR YOUR INVESTMENT

Because the Ascentia M is designed with a unique common platform, it's already one of the easiest notebooks to maintain. However, in addition to this, AST provides a host of outstanding programs to make servicing your notebook as simple as possible. Our optional ExpressONE™ next-day, on-site replacement program\* means that you're always up and running no matter where you are in the continental U.S. And our optional Notebook Insurance warranty\* offers the finest peace of mind available by providing you with worldwide protection against theft and damage due to natural disasters. In other words, whether your notebook melts in a fire or just falls off your desk, AST is there to solve your problems — quickly and easily.

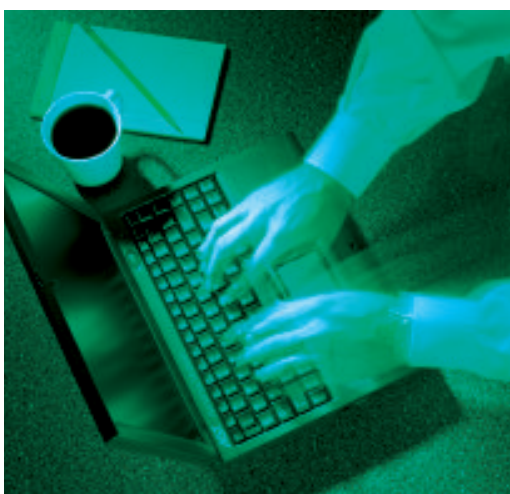
## INDUSTRY LEADING SOFTWARE FOR PRODUCTIVITY ON THE MOVE

When you're away from the office it's even more critical be able to easily manage your computer. The Ascentia M is pre-packaged with some of the finest software available. Puma TranXit provides fast, easy drag and drop file transfer and data synchronization between two systems without the need for any additional and cumbersome hardware or cables. LapLink by Traveling Software allows instant access to critical information from any location — even over the Internet. McAfee VirusScan™ offers automatic detection and removal of any potential viruses received from every source including diskettes, the Internet and more. In addition, to ensure that your notebook is always running at peak performance, Cybermedia Oil Change will automatically update your hardware drivers and software applications. Finally, your Ascentia M also comes equipped with trial editions of security software such as CompuTrace and Connected Online Backup. All of these software applications work together to ensure that your productivity doesn't falter just because you're out on the road.

## ULTRA BRIGHT, ULTRA WIDE SCREENS FOR EXTREME CLARITY

The Ascentia M offers a wide range of screens from Dual-Scan to XGA TFT Active Matrix displays to satisfy a variety of mobile computing needs. Our 13.3" XGA screen featuring Samsung's advanced screen technology delivers the finest definition and resolution available for the best presentation capabilities possible. With its higher contrast rate, faster response time, lightweight design, lower power consumption and superior color filter there is simply no better screen to use for all of your multimedia requirements.

## COMMON DOCKING AND ACCESSORIES FOR ULTIMATE FLEXIBILITY



The Ascentia M's unique common platform design supports an expansive range of docking options. This means that whether you purchase an entry-level or highest-end Ascentia M, your mobile force can use consistent docking solutions. This commonality will greatly reduce your cost of ownership because you only have one common platform to upgrade and accessorize. Easier upgradability is sure to reduce the stress levels of your IS manager as well. Even further, AST offers a full array of common accessories and peripherals. It won't matter if it's memory upgrades, batteries or auto adapters you need, because the Ascentia M's wide range of configurations will provide smooth integration and forward compatibility with your current and next generation systems. Finally, all of AST's computers have been thoroughly tested for compatibility with our industry partners in order to make your life that much easier.

## LATEST TECHNOLOGIES ADD ROOM FOR GROWTH

You can rest assured that the Ascentia M will provide you with the productivity you require for a long, long time. By offering the latest technologies, this powerful notebook gives your company the tools it needs to grow without the fear of technological obsolescence. Every Ascentia M comes with Intel Pentium processors up to 233 MHz and they all utilize the exciting MMX technology. This combination produces faster processing power without any excess drain on the system's power. Plus, our new 13.3" XGA Samsung LCD offers the finest resolution available. And when you factor in the Intel 430TX chipset and 512 KB level 2 cache, you have a notebook that is more than prepared to run the most demanding software and graphics applications. With optimal features such as these, your Ascentia M is one investment that will pay dividends for some time to come.

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## KEY FEATURES



Up to 233 MHz Intel Pentium processors with MMX technology for speed without power drain

Intel 430TX chipset and 512 KB level 2 cache to run the most demanding software available

Common docking and components simplifies integration and lowers your cost of ownership

Complete data, remote backup and system security with Connected Online Backup, McAfee VirusScan, CompuTrace, removable hard drive and Kensington Lock adapter

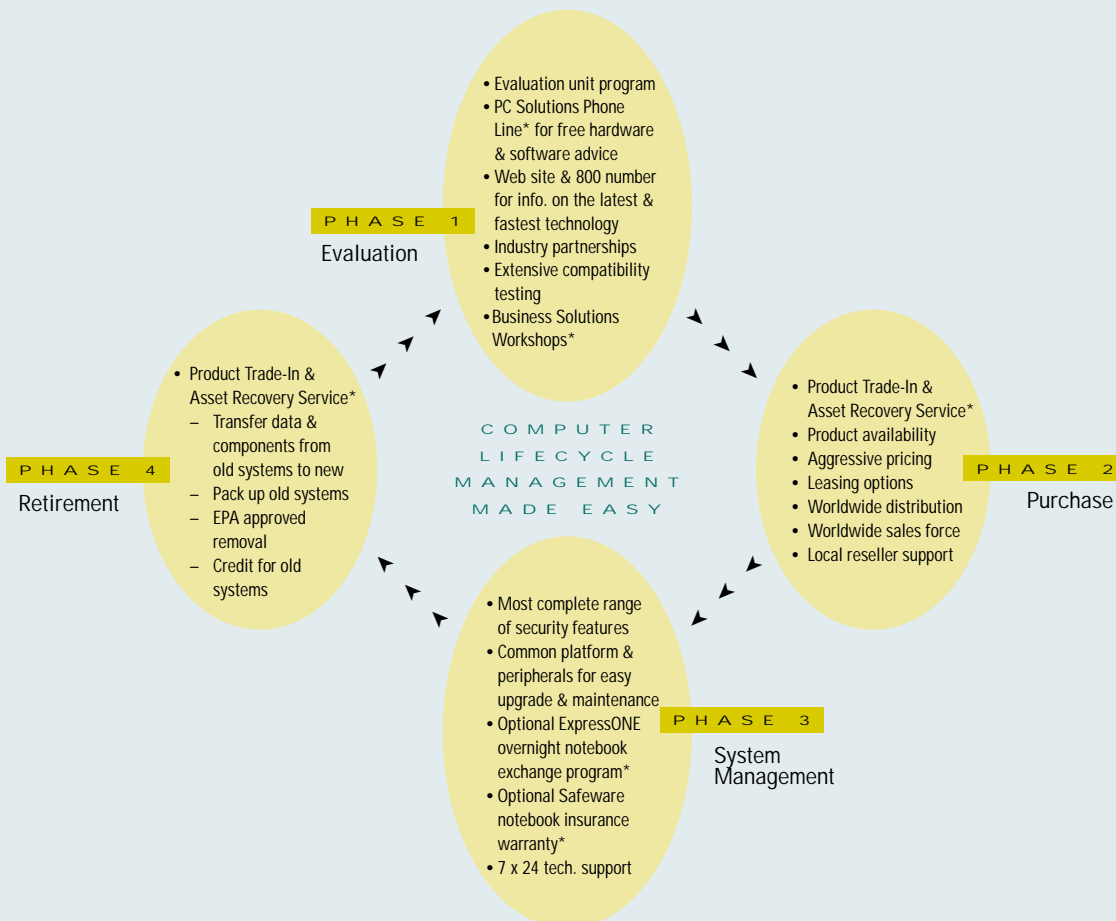
Extra protection from theft and damage with ExpressONE™ and Notebook Insurance warranty\* options

Easy management with complete suite of industry leading software including Cybermedia Oil Change, Puma TranXit and LapLink

13.3" XGA Samsung LCD for the finest resolution available

## MAKE LIFE EASY WITH PROGRAMS TAILORED FOR YOUR COMPANY AND YOUR LIFESTYLE

As a full service computer company, AST prides itself on being more than just a computer manufacturer. We also provide services to help your company, regardless of its size, prosper and grow. Our customer programs are tailor made to meet your company's individual needs. Whether you're a huge corporation, a small business or something in between, AST offers you a partnership with the tools for your success.



## WE MAKE IT EASY EVERY STEP OF THE WAY

With our outstanding customer programs, AST is able to offer you the finest industry support throughout the entire lifecycle of our products. Programs like our Business Solutions Workshops\* and our PC Solutions Phone Line™ ensures that you'll make the right systems choices from the beginning. When it comes time to purchase, you'll truly appreciate our low prices, leasing options and worldwide distribution. Furthermore, our unique Product Trade-In and Asset Recovery Service\* will save you time and expense as we take care of the retrieval and disposal of your old equipment and in most cases provide you with cash credit for new hardware in the process. From then on, you'll find our technical support is second to none. With our ExpressONE and Notebook Insurance warranty options\*, we'll be there for advice and service around the clock. And when it finally does come time for upgrades, our Trade-In and Asset Recovery program\* comes back into play, and our evaluation units provide you with an opportunity to try our future generations of products. You'll find that AST is always available to help your company make the right computing decisions now and in the future. It just couldn't be any easier.

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