

ATLAS



Key Features

- 14.1" WXGA TFT LCD Glossy Widescreen
- Mobile Intel® 945GM Express Chipset
- Intel® Core™ 2 Duo Processor
- Intel® Core™ Duo & Solo Processor
- Intel® Celeron® M Processor 4xx
- 667 MHz or 533 MHz Front Side Bus (FSB)
- 4 MB On-Die Full Speed L2 Cache (Dual-Core)
- Maximum 2 GB of DDR2 SDRAM
- Intel® Centrino™ Duo Mobile Technology
- Intel® Graphics Media Accelerator 950
- Integrated 3-in-1 Memory Card Reader
- DVD/CD-RW Combo Optical Drive
- Onboard 56K modem and Gigabit LAN
- 356 KB CMOS Digital Camera
- ACPI and PC '01 Compliant
- FCC DoC, UL Listed, EPA Energy Star Compliant

Atlas 620A Series Notebook

Leaping over technological immateriality, the Atlas 620A Series shatters previously held mobility performance to power consumption beliefs. A longer battery life while simultaneously enabling heightened performance for parallel execution of acute applications is emblematic of the Atlas's newest Intel® Core™ 2 Duo processor—a dual-core mobility optimized processor operating at a 667 MHz system bus. Built with two separate cores on a single wafer, the Intel® Core™ 2 Duo improves performance for real-time productivity applications such as Internet Conferencing and VoIP. Working in tandem with the processor throughput, the Atlas supports a higher 10.6 GB/s memory bandwidth while demanding less of a power influx. Playing off on this critical silicon-based power conservation, the Atlas also employs Intel's Display Power Savings Technology to further decrease the LCD backlight power consumption and not diminish performance. Other Atlas enablement design features also include: integrated camera, array microphone, Intel® High Definition Audio, and port replicator. A "Communication Super-ability" characterizes the Atlas connectivity suite. A standard modem/Gigabit LAN combination is supercharged by the integrated wireless Bluetooth® and newly architected Intel® Centrino Duo Mobile Technology.



Model NBA177

Atlas 620A Series Notebook

Processor

Intel® Core™ 2 Duo Processor T7xxx, T5xxx
Intel® Core™ Duo Processor T2xxx
Intel® Core™ Solo Processor T1xxx
Intel® Celeron® M Processor 4xx
Intel® Dynamic Power Coordination
Intel® Virtualization Technology
Intel® Digital Media Boost
Intel® Advanced Thermal Manager
533 MHz or 667 MHz Front Side Bus (FSB)

Chipset

Intel® 945GM Chipset
Intel® 82945GM Chipset Memory Controller Hub (MCH)
Intel® 82801GBM I/O Controller Hub Mobile (ICH7-M)

BIOS

AMI 4 MB Flash EPROM, PMU, Plug & Play

Cache

Intel® Core™ 2 Duo Processor w/ Intel® Smart Cache
2 x 32 KB Instruction and 2 x 32 KB Write-back Data L1 Cache
4 MB On-Die Full Speed L2 Cache (Shared)
Intel® Core™ Duo Processor w/ Intel® Smart Cache
2 x 32 KB Instruction and 2 x 32 KB Write-back Data L1 Cache
2 x 2 MB On-Die Full Speed L2 Cache
Intel® Celeron® M Processor 4xx & Intel® Core™ Solo Processor
32 KB Instruction and 32 KB Write-back Data L1 Cache
1 MB or 2 MB On-Die Full Speed L2 Cache (Advanced Transfer Cache)

System Memory

Two SO-DIMM Socket Supporting DDR2 SDRAM
128 MB, 256 MB, 512 MB, and 1 GB SO-DIMMs
Maximum Memory Expansion of 2 GB

Power Management

Full Feature ACPI 2.0 Power Management
Supports Stand-by, Suspend-to-Disk, Suspend-to-RAM



REAR VIEW

I/O Ports

Four USB 2.0 Ports
One 15-pin VGA Port/Mini D-Sub for External DDC Monitor
One IEEE 1394 Port
One RJ-11 Modem Port
One RJ-45 LAN Port
One S-Video Port
One 68-pin PortBar Connector

Hard Disk Drive

9.5 mm 2.5" Hard Disk Drive Support
Ultra DMA/100/S.M.A.R.T. Support

Optical Drive Bay

12.7mm 5.25" Hot Swap Optical Drive Bay
DVD/CD-RW Combo Drive Module Interchangeable w/ DVD±RW Drive

Flash Memory Card Reader

Integrated 3-in-1 Memory Card Reader
Secure Digital (SD), Multi-Media Card (MMC), Memory Stick (MS), Memory Stick Select, or Memory Stick Pro Supported
Compact Flash (CF) Adapter via PCMCIA

Security Lock

Kensington® Lock Ready

Dimensions

334 x 252 x 35 mm / 13.1 x 9.9 x 1.3 inches (W x D x H)

Weight

2.49 kg / 5.5 lbs

Display Screen

TG16: 14.1" WXGA Active Matrix TFT Glossy Widescreen LCD
1280 x 800 with 15/16/24 bit True Color

Built-in Digital Camera

356 KB CMOS Digital Camera

Video Controller

Integrated Intel® Graphics Media Accelerator 950
Up to 128 MB Dynamic Video Memory Technology



LEFT SIDE VIEW

Sound System

Integrated Intel® High Definition Audio with Built-in Stereo Speakers
Built-in Headphone out and Microphone Ports
Audio DJ & DVD DJ Capable

Battery

Primary 6 Cell Li-Ion Smart Battery, 65 Wh
Up to 4 Hrs Battery Life
Charging Time 4 hours (System On) or 2.5 hours (System Off)
Battery Low Warning Message

PCMCIA

PCMCIA 2.1 compliant, One CardBus PCMCIA Type II
32-bit PC CardBus Pipelined Architecture

Modem & LAN

Integrated Mobile MiniPCI 56 K Baud V.90 Modem Module
Integrated 10/100/1000 Gigabit Ethernet LAN Controller

Wireless Communication

Intel® PRO 3945 IEEE 802.11 a + b + g Centrino® Module
Integrated Bluetooth® Wireless (Optional)

Keyboard & Pointing Device

Windows 87 Key Full Size Keyboard, 3mm Travel
Four Instant Launch Buttons (Bluetooth®, Internet, WLAN, T/P Lock On/Off)
Touchpad Pointing Device with Two Click Buttons, Scroll Up/Down Key Support



RIGHT SIDE VIEW

Standard Accessories

Carrying Case
65W/19V Auto-Switching AC Adapter

Environmental

Operating: 0° to 40°C (32° to 104°F) @ 20%-80% Relative Humidity
Storage: -40° to 70°C (-40° to 158°F) @ 10%-90% Relative Humidity

Regulatory & Product Certifications

EMI/RFI: FCC Class B
Safety: Underwriter Laboratories 60950, 3rd Edition
EPA: Energy Star Compliant
Other: CE, VCCI, CCIB, CSA, TUV & N

Options

PortBar III
External USB Floppy Drive Module
DVD±RW Drive

NCS Technologies, Inc.

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