

# ATLAS



## Key Features

- 14.1" WXGA TFT LCD Glossy Widescreen
- Mobile Intel® 945GM Express Chipset
- Intel® Core™ Duo Processor
- Intel® Core™ Solo Processor
- Intel® Celeron® M Processor 4xx
- 667 MHz or 533 MHz Front Side Bus (FSB)
- 2 x 2 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™ 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™ 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 NBA148

# Atlas 620A Series Notebook

## Processor

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® 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)  
Intel® Core™ Duo Processor w/ Intel® Smart Cache  
2 x 32 KB Instruction and 32 KB Write-back Data L1 Cache  
2 x 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.

9490 Innovation Drive Voice: (703) 621-1700  
Manassas, VA 20110 Toll-Free: 1 (888) RING-NCS  
www.ncst.com Fax: (703) 621-1701

