

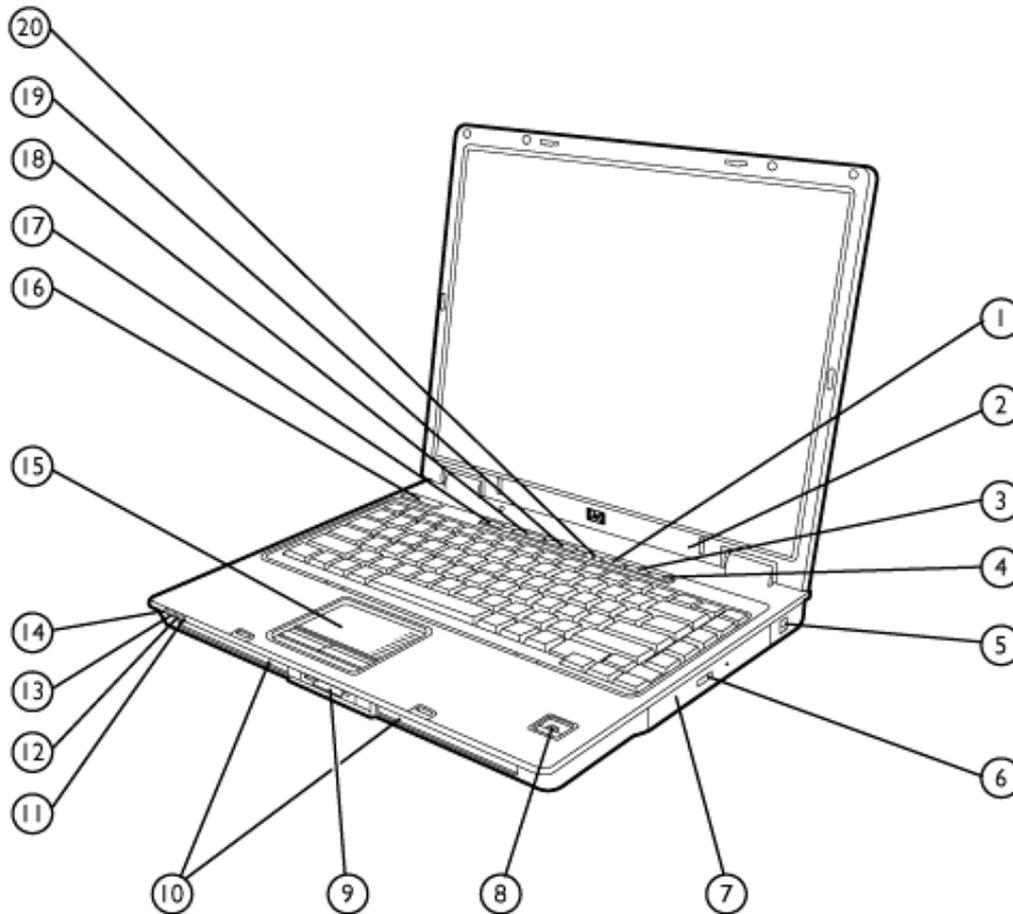
# QuickSpecs

## HP Compaq nx6125 Notebook PC

### Overview

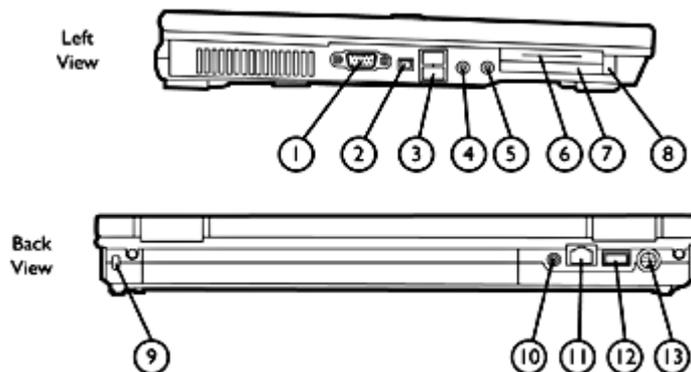
#### HP Compaq nx6125 Notebook PC

HP recommends Microsoft®  
Windows® XP Professional



- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 1. Volume Mute Button with LED     | 11. Hard Drive Activity LED         |
| 2. Internal Microphone             | 12. Battery Charging LED            |
| 3. Volume Down Button              | 13. Power/Standby LED               |
| 4. Volume Up Button                | 14. Wireless On/Off LED             |
| 5. RJ-11 Port (Modem)              | 15. Touchpad with Scroll Zone       |
| 6. Optical Drive Button            | 16. Power/Standby Button with LED   |
| 7. Optical Drive                   | 17. HP Info Center Button           |
| 8. HP Biometric Fingerprint Sensor | 18. Wireless On/Off Button with LED |
| 9. 6-in-1 Media Reader with LED    | 19. Presentation Mode Button        |
| 10. Stereo Speakers                | 20. Caps Lock LED and Num Lock LED  |

### Overview



- |                              |   |
|------------------------------|---|
| 1. VGA/External Monitor Port | 7. PC Card Slot or Integrated Smart Card Reader |
| 2. IEEE 1394 Port            | 8. PC Card Eject Button                         |
| 3. 2 USB 2.0 Ports           | 9. Kensington Lock Slot                         |
| 4. Microphone Jack           | 10. DC Power Connector                          |
| 5. Headphone Jack            | 11. RJ-45 Port (NIC) with 2 LEDs                |
| 6. ExpressCard/54 Slot       | 12. USB 2.0 Port                                |
|                              | 13. S-Video TV Out                              |

### At A Glance

- Microsoft Windows XP Professional, Microsoft Windows XP Home Edition (select countries), or FreeDOS
- AMD Turion™ 64 Mobile Technology or Mobile AMD Sempron™ processor
- Sleek industrial design starting at 5.99 lb/2.72 kg and 1.22-inch/31.0 mm thin at front
- ATI RADEON XPRESS 200M Chipset
- 256-MB DDR SDRAM, upgradeable to 2048-MB maximum
- Up to 80-GB 5400 rpm hard drive
- Choice of optical drive: CD-ROM, DVD-ROM, DVD/CD-RW Combo, DVD+/-RW, or DVD+/-RW with Double Layer Technology
- Integrated ATI MOBILITY RADEON X300 with up to 128-MB allocated system memory
- Optional Integrated 802.11a/b/g or 802.11b/g wireless LAN module
- Optional integrated Bluetooth®
- 6-in-1 Media Reader
- NetXtreme Gigabit Ethernet Controller
- Touchpad with scroll zone
- Protected by one-year or three-year (depending on country and/or model) standard parts and labor warranty - certain restrictions and exclusions apply

### What's Special

- Security features:
  - HP ProtectTools
  - Integrated HP Biometric Fingerprint Sensor
  - HP Drivelock
  - Smart Card Reader (optional)
  - Kensington lock slot
- Ease of use features
  - HP Mobile Print Driver for on-the-go printing

### *Overview*

- HP Wireless Assistant
- HP Info Center
- HP Fast Charge technology
- Integrated reliability features:
  - HP Panel Protection System
  - Scratch-resistant keyboard using In-mold Lamination
  - HP spill-resistant keyboard with Mylar film
- Support for new HP docking solutions and HP Travel Battery.

### Standard Features

#### Processors\*

AMD Turion 64 Mobile Technology ML-40 (2.2-GHz, 1-MB L2 cache)  
AMD Turion 64 Mobile Technology ML-37 (2.0-GHz, 1-MB L2 cache)  
AMD Turion 64 Mobile Technology ML-34 (1.8-GHz, 1-MB L2 cache)  
AMD Turion 64 Mobile Technology ML-32 (1.8-GHz, 512-KB L2 cache)  
AMD Turion 64 Mobile Technology ML-30 (1.6-GHz, 1-MB L2 cache)  
AMD Turion 64 Mobile Technology ML-28 (1.6-GHz, 512-KB L2 cache)  
Mobile AMD Sempron processor 3100+ (1.8-GHz, 256-KB L2 cache)  
Mobile AMD Sempron processor 3000+ (1.8-GHz, 128-KB L2 cache)  
Mobile AMD Sempron processor 2800+ (1.6-GHz, 256-KB L2 cache)

\***NOTE:** Speeds listed for AMD Turion™ 64 Mobile Technology processors are maximum performance levels on AC power. The processor speed is reduced up to approximately 80% on battery power to optimize battery life. Please go to <[www.hp.com](http://www.hp.com)> for more details on battery life conservation.

#### Operating System

Microsoft Windows XP Professional SP2  
Microsoft Windows XP Home Edition SP2 (select countries only)  
FreeDOS

**NOTE:** Microsoft Windows 2000 Professional is not available pre-installed, but drivers for it are downloadable from <http://www.hp.com>.

#### Chipset

ATI RADEON XPRESS 200M Chipset

#### Graphics

Integrated ATI MOBILITY RADEON X300 with up to 128-MB allocated system memory

#### Display

**Internal**  
15.0-inch TFT SXGA+ wide viewing angle (1400 x 1050 resolution and 16 M colors)  
15.0-inch TFT XGA (1024 x 768 resolution and 16 M colors)

**External**  
Up to 32-bit per pixel color depth  
Supports 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1280 x 1024, or 1600 x 1200 resolutions up to 100-Hz refresh rate, dependent upon monitor capability, and resolution and color depth settings

#### Memory

**Standard**  
256-MB, 512-MB, or 1024-MB 333-MHz DDR SDRAM; two SODIMM slots

**Maximum**  
Upgradeable to 2048-MB maximum (1024-MB SODIMM in slots 1 and 2)

**NOTE:** Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

#### Communications

NetXtreme Gigabit Ethernet Controller (10/100/1000 NIC)\*  
56K modem\*\* with digital line guard

\* The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard

### Standard Features

802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

\*\* Designed for downloads from 56K modem compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem availability is subject to country regulatory approval.

#### Wireless Devices

Support for a broad range of secure, integrated wireless LAN options. Integrated Bluetooth is also an option (factory configurable only) and can be combined with any one of the supported wireless LAN options.

|  |   |
|--|---|
| <b>All integrated wireless LAN options</b> | Wi-Fi certified<br>Cisco Compatible Extensions support<br>Wired Equivalent Privacy (WEP) support up to 128-bit keys<br>Wi-Fi Protected Access (WPA) support<br>802.1x authentication support, including EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, and LEAP<br>Dual antennas integrated in the display enclosure |
| <b>Broadcom 802.11b/g WLAN</b>             | Integrated support for 802.11 b and g<br>Up to 54-mbps data rate<br>Advanced Encryption Standard (AES) support  |
| <b>Broadcom 802.11a/b/g WLAN</b>           | Integrated support for 802.11a, b and g<br>Up to 54-mbps data rate<br>Advanced Encryption Standard (AES) support  |
| <b>Integrated Bluetooth</b>                | Bluetooth Specification v1.2 compliant<br>Works with a wide range of Bluetooth devices  |

#### Keyboard

The 101/102-key compatible keyboard features an industry standard, full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. US and International key layouts are available. Other features include an integrated numeric keypad, hotkeys for instant access to power conservation, brightness, and other features, 19-mm x 19-mm key pitch (center-to-center spacing), 2.5-mm stroke, comfort-dished keycaps, and bright key legends for improved visibility in low light conditions.

#### One-Touch Productivity Buttons

Provide one-touch access to the following features: HP Info Center, Wireless On/Off, Presentation Mode, Volume Up, Volume Down, and Volume Mute

#### Pointing Device

Touchpad with scroll zone

#### Expansion Card Slots

|  |   |
|--|---|
| <b>One Type I/II PC Card Slot</b>            | Supports 32-bit CardBus and 16-bit PC Cards                               |
| or   |   |
| <b>Optional Integrated Smart Card Reader</b> | Compatible with ISO 7816 compliant Smart Cards<br>PC/SC interface support |
| <b>One ExpressCard/54 slot</b>               | Supports 34mm and 54mm ExpressCards                                       |

### Standard Features

|                    |                            |  |
|--------------------|----------------------------|--|
| <b>Media Slots</b> | <b>6-in-1 Media Reader</b> | Supports SD (Secure Digital), MMC (MultiMediaCard), Memory Stick, Memory Stick Pro, Smart Media, xD-Picture card<br><b>CAUTION:</b> This notebook PC does not support Memory Stick Duo Cards or Memory Stick Duo Adapters. Inserting one of these cards or adapters into your notebook can damage the memory card or adapter and/or the notebook PC. |
|--------------------|----------------------------|--|

|                |   |   |
|----------------|---|---|
| <b>Storage</b> | <b>Hard Drives</b>  | 40-, 60-, 80-GB 4200 rpm SMART<br>40-, 60-, 80-GB 5400 rpm SMART  |
|                | <b>NOTE:</b> These hard drives are customer removable and will withstand multiple insertion/removal cycles. |   |
|                | <b>Optical Drives</b>   | Integrated (12.7-mm) CD-ROM<br>DVD-ROM<br>DVD/CD-RW Combo<br>DVD+/-RW<br>DVD+/-RW with Double Layer Technology<br><br>Optional HP External MultiBay II (9.5-mm) or HP Advanced Docking Station DVD-ROM MultiBay II Drive<br>DVD/CD-RW Combo MultiBay II Drive<br>DVD+/-RW MultiBay II Drive |
|                | <b>Second Hard Drive</b>  | Optional HP External MultiBay II (9.5-mm) or HP Advanced Docking Station 80-GB 5400 rpm MultiBay II Hard Drive  |

|                              |  |                            |
|------------------------------|--|----------------------------|
| <b>Interfaces</b>            | <b>PC Card Slot</b>                          | One – Type I/II            |
|                              | <b>or</b>                                    |                            |
|                              | <b>Optional Integrated Smart Card Reader</b> |                            |
|                              | <b>ExpressCard/54 slot</b>                   | One                        |
|                              | <b>External Monitor</b>                      | One – VGA                  |
|                              | <b>IEEE 1394 Port</b>                        | One                        |
|                              | <b>External Microphone</b>                   | One                        |
|                              | <b>Headphone/Line out</b>                    | One                        |
|                              | <b>Power Connector</b>                       | One                        |
|                              | <b>RJ-11 (Modem)</b>                         | One                        |
|                              | <b>RJ-45 (NIC)</b>                           | One                        |
|                              | <b>S-Video TV Out</b>                        | One (Support for NTSC/PAL) |
|                              | <b>USB 2.0</b>                               | Three                      |
|                              | <b>Travel Battery Connector</b>              | One                        |
| <b>LED Status Indicators</b> | Twelve                                       |                            |

**Audio** Conexant AC '97 CODEC



### Standard Features

Integrated 16-bit Sound Blaster Pro compatible audio  
Integrated microphone  
Integrated stereo speakers  
External volume up, volume down, and mute buttons  
Stereo headphone/line out  
Stereo microphone in

### Software

**Preloaded Software for Microsoft Windows XP** Adobe Acrobat Reader  
HP Local Recovery provided by Altiris\*  
HP One-Touch Button Software  
HP Mobile Print Driver  
Synaptics Touchpad Driver  
HP Help and Support  
HP ProtectTools Security Manager:  
    BIOS Configuration for HP ProtectTools  
    Credential Manager for HP ProtectTools  
HP Wireless Assistant  
Sonic RecordNow! (for optional DVD+/-RW and DVD/CDRW drives)\*  
Symantec Norton Antivirus with complimentary 60-day live update  
Intervideo WinDVD - DVD Player (for optional DVD+/-RW, DVD/CDRW and DVD drives)\*

**Software on CD** Intervideo WinDVD Creator - DVD Authoring (for optional DVD+/-RW drives)

**Additional software available from the Web** HP ProtectTools Security Manager:  
    Smart Card Security for HP ProtectTools

\* Software is loaded on the hard drive and must be installed by running the Software Setup utility.

### System Recovery for Microsoft Windows XP systems only

Each unit is shipped with a recovery kit containing Operating System Recovery and Driver/Application Recovery discs. These discs allow users to either recover or repair the notebook operating system and select drivers without losing personal data. The Operating System disc also provides the option of reinstalling the operating system software provided with the notebook.

### SMBIOS Version 2.3.4

System Management BIOS, previously known as DMI BIOS, is used to store system management information.

### HP Local Recovery Provided by Altiris

Provides data and system file protection for HP business PCs to enable fast recovery of information that is accidentally deleted or if the system becomes corrupted. Designed for disconnected or seldom-connected users, Local Recovery protects your HP computer's data and system state by taking scheduled snapshots, which are then stored in a protected area on the local hard disk. System backup and disaster

### Standard Features

recovery is now simple and fast for all users, regardless of connectivity. For more information and to download, please refer to the HP website at <http://www.hp.com/go/easydeploy>.

#### HP ProtectTools Security Manager

HP ProtectTools Security Manager is the security platform for business notebooks and desktops. The HP ProtectTools Security Manager is an extensible client security console that delivers enhanced security capabilities through add-on software modules. Modules currently available are:

- Smart Card Security for HP ProtectTools
- BIOS Configuration for HP ProtectTools
- Credential Manager for HP ProtectTools

#### Security

##### Standard Features

Configuration Control Hardware  
Memory Change Alert  
Ownership Tag  
Setup Password  
Power-On Password  
Integrated HP Biometric Fingerprint Sensor  
HP Drivelock  
Enabled for PC Smart Card options  
Kensington Lock Slot

##### Optional Features

Smart Card Reader (replaces Type I/II PC Card slot)      Compatible with ISO 7816 compliant Smart Cards  
PC/SC interface support

For more information on HP security solutions refer to <http://www.hp.com/go/security>.

#### Power Supply

External 65-watt slim AC adapter, 6-foot (1.8-meter) power cord included. Total length including External AC adapter is 12 feet (3.66 meter).  
HP Fast Charge technology

#### Battery

##### Primary Battery

6-cell high capacity Lithium-Ion (52Wh)

##### Optional Travel Battery

8-cell high capacity Lithium-Ion (52Wh)

#### Battery Life

Primary Battery

Up to 3 hours 45 minutes

Primary Battery and optional HP Travel Battery

Up to 7 hours 30 minutes

**NOTE:** Battery life will vary depending on the product configuration, product model, applications loaded on the product, power management settings of the product, and the product features used by the customer. As with all batteries, the maximum capacity of this battery will decrease with time and usage.

#### System Standby Time

Up to 1 week

#### Power Conservation

Hibernation  
Standby

### Standard Features

ACPI compliance

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#### Docking

HP Docking Station  
HP Advanced Docking Station  
HP Adjustable Notebook Stand

HP's shared docking solutions provide simple and convenient port replication and cable management. Features include Gigabit NIC pass through, modem pass through, legacy parallel and serial ports, S-video TV out, USB 2.0 ports, integrated security mechanism\*, integrated MultiBay II and ExpressCard\*\* slots. These docking solutions are compatible across multiple Business Notebook platforms enabling a lower total cost of ownership.

\* HP/Kensington Cable Lock required (purchased separately)

\*\* HP Advanced Docking Station only

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#### Service and Support

HP Services includes a one-year or three-year (depending on country and/or model) standard parts and labor warranty, pick-up or carry-in, and toll-free 7 x 24 hardware technical phone support. On-site service and warranty upgrades are also available.

**NOTE:** Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

<http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp>.

# QuickSpecs

## HP Compaq nx6125 Notebook PC

### Options

|  |   |            |
|--|---|------------|
| <b>Memory</b>                          | 256-MB 333-MHz DDR SDRAM                          | DC389B     |
|  | 512-MB 333-MHz DDR SDRAM                          | PA525A     |
|  | 1024-MB 333-MHz DDR SDRAM                         | DC890B     |
| <b>MultiBay II Storage</b><br>(9.5 mm) | 8X DVD-ROM MultiBay II Drive                      | PA849A     |
|  | 24X Combo DVD/CD-RW MultiBay II Drive             | PA850A     |
|  | 4X DVD+/-RW Dual Format MultiBay II Drive         | PA851A     |
|  | 80-GB 5400 rpm MultiBay II Hard Drive             | PH357A     |
| <b>Storage</b>                         | USB Diskette Drive                                | DC361B     |
|  | HP USB Digital Drive + 128-MB Secure Digital Card | DL702A     |
|  | HP 40-GB Mobile USB Hard Drive                    | DQ549A     |
| <b>Expansion Solutions</b>             | HP Docking Station                                | PA286A#xxx |
|  | HP Advanced Docking Station                       | PA287A#xxx |
|  | HP External USB MultiBay II                       | PA509A#xxx |
|  | HP Monitor Stand                                  | PA507A     |
|  | HP Adjustable Notebook Stand                      | PA508A     |
|  | HP 4-port USB 2.0 Hub                             | DG954A     |
| <b>Power</b>                           | 65W AC Adapter                                    | DC359A#xxx |
|  | 90W AC Adapter                                    | DC895B#xxx |
|  | 90W Auto Adapter                                  | DC303B     |
|  | 90W Air/Auto/AC Combo Adapter                     | DV574A#xxx |
|  | 90W Aircraft Cables                               | DC899A     |
|  | Primary 6-cell Battery Pack                       | PB994A     |
|  | HP Travel Battery                                 | PB993A     |
| <b>Carrying Cases</b>                  | HP Entry Value Case                               | DL617A     |
|  | HP Top Load Nylon                                 | DC915A     |
|  | HP Executive Leather case                         | PA847A     |
|  | HP Sport Backpack                                 | DG102A     |
| <b>Security</b>                        | PC Card Smart Card Reader                         | DC350B     |
|  | HP/Kensington Cable Lock                          | PC766A     |
| <b>Input/Output Devices</b>            | USB/PS2 Keyboard                                  | DC852A#xxx |
|  | USB/PS2 Optical Mouse                             | DC369A     |
|  | HP USB Optical Travel Mouse                       | F2100A     |



### Memory

Up to 2048 MB of 333-MHz DDR SDRAM  
Two DIMM slots  
DIMM sizes supported: 256 MB, 512 MB, or 1024 MB

- Standard Memory**
- 256 MB (256 MB x 1)
  - 512 MB (512 MB x 1 or 256 MB x 2)
  - 1024 MB (1024 MB x 1 or 512 MB x 2)

**Optional Memory Upgrades** Support for up to 2048 MB of memory is available (with the installation of optional DDR SDRAM memory kits). Both memory slots are user accessible. Please refer to the Hardware and Software Guide for installation procedures.

| Up to   | Slot 1  | Slot 2  |
|---------|---------|---------|
| 768 MB  | 512 MB  | 256 MB  |
| 1024 MB | 1024 MB | Empty   |
| 1024 MB | 512 MB  | 512 MB  |
| 1280 MB | 1024 MB | 256 MB  |
| 1536 MB | 1024 MB | 512 MB  |
| 2048 MB | 1024 MB | 1024 MB |

**NOTE:** This chart does not represent all possible memory configurations. Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only HP branded memory modules to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

|                        |                           |        |
|------------------------|---------------------------|--------|
| <b>Memory Upgrades</b> | 1024-MB 333-MHz DDR SDRAM | DC890B |
|                        | 512-MB 333-MHz DDR SDRAM  | DC390B |
|                        | 256-MB 333-MHz DDR SDRAM  | DC389B |

### Storage

#### Removable Media Drive Support

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|   | <b>Quantity Supported</b> | <b>Drive Bay</b>  |
|---|---------------------------|---|
| DVD+/-RW Drive with Double Layer Technology | One                       | Fixed optical drive bay   |
| DVD+/-RW Drive                              | One                       | Fixed optical drive bay   |
| DVD/CD-RW Combo Drive                       | One                       | Fixed optical drive bay   |
| DVD-ROM Drive                               | One                       | Fixed optical drive bay   |
| CD-ROM Drive                                | One                       | Fixed optical drive bay   |
| DVD+/-RW MultiBay II Drive                  | One                       | Optional HP External MultiBay II or HP Advanced Docking Station |
| DVD/CD-RW Combo MultiBay II Drive           | One                       | Optional HP External MultiBay II or HP Advanced Docking Station |
| DVD-ROM MultiBay II Drive                   | One                       | Optional HP External MultiBay II or HP Advanced Docking Station |

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#### Hard Drive Support

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|                                 | <b>Quantity Supported</b> | <b>Drive Bay</b>         |
|---------------------------------|---------------------------|--------------------------|
| 80-GB 5400 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |
| 60-GB 5400 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |
| 40-GB 5400 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |
| 80-GB 4200 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |
| 60-GB 4200 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |
| 40-GB 4200 rpm SMART Hard Drive | One                       | Dedicated hard drive bay |

### Technical Specifications

|   |   |  |
|---|---|--|
| <b>System Unit</b>                      | <b>Dimensions (HxWxD)</b>   | 1.22 (at front) x 12.9 x 10.5 in (31 (at front) x 328 x 267 mm)                                  |
|   | <b>Weight</b>   | 5.99 lb (2.72 kg)  |
|   | <b>NOTE:</b> Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components. Weight includes 6-cell battery, 30-GB hard drive, 256-MB memory, and CD-ROM drive. Weight varies by configuration and components. |  |
| <b>Stand-Alone Power Requirements</b>   | Nominal Operating Voltage   | 18.5 V   |
|   | Average Operating Power   | 21 W   |
|   | Max Operating Power   | < 65W  |
| <b>Temperature</b>                      | Operating   | 32° to 95° F (0° to 35° C) (not writing optical)<br>41° to 95° F (5° to 35° C) (writing optical) |
|   | Non-operating   | -4° to 140° F (-20° to 60° C)  |
| <b>Relative Humidity</b>                | Operating   | 10% to 90%, non-condensing   |
|   | Non-operating   | 5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature                                       |
| <b>Shock</b>                            | Operating   | 125 G, 2 ms, half-sine   |
|   | Non-operating   | 200 G, 2 ms, half-sine   |
| <b>Random Vibration</b>                 | Operating   | 0.75 grms  |
|   | Non-operating   | 1.50 grms  |
| <b>Altitude (unpressurized)</b>         | Operating   | -50 to 10,000 ft (-15.24 to 3,048 m)   |
|   | Non-operating   | -50 to 40,000 ft (-15.24 to 12,192 m)  |
| <b>Industry Standard Certifications</b> | Blue Angel  | No   |
|   | UL  | Yes  |
|   | Energy Star   | Yes  |
|   | Canadian Safety   | Yes  |
|   | CSA (Canada)  | Yes  |
|   | ICES  | Yes  |
|   | TUV GS  | No   |
|   | Nordic Safety   | No   |
|   | Mexican Safety  | Yes  |
|   | Poland Compliance   | Yes  |
|   | Australia / NZ Compliance   | Yes  |
|   | CCC   | Yes  |
|   | Japan Compliance  | Yes  |
|   | MIC   | Yes  |
|   | BSMI  | Yes  |
| CE Marking Compliance                   | Yes   |  |
| KONCAR                                  | Yes   |  |
| GOST                                    | Yes   |  |

### Technical Specifications

|  |                                      |  |  |
|--|--------------------------------------|--|--|
|  |                                      | SASO   | Yes  |
|  |                                      | SABS   | Yes  |
|  |                                      | UKRSERTCOMPUTER  | Yes  |
| <b>65W External AC Adapter</b>               | <b>Weight</b>                        | 0.62 lb (0.28 kg) (adapter)<br>0.29 lb (0.13 kg) (power cord)  |  |
|  | <b>Dimensions</b>                    | 4.17 x 1.85 x 1.1 in (10.6 x 4.7 x 2.8 cm)   |  |
|  | <b>Input</b>                         | Operating Input Voltage  | 100 to 240 VAC                                       |
|  |                                      | Operating Input Current  | 1.7A at 90 VAC<br>0.85A at 180 VAC                   |
|  |                                      | Operating Frequency Range  | 47 to 63 Hz AC                                       |
|  | <b>Output</b>                        | Efficiency   | 83% minimum at 115 VAC                               |
|  |                                      | Output Power   | 65 W   |
|  |                                      | DC Output Current  | 18.5 V   |
|  | <b>Environmental</b>                 | Operating Temperature  | 32° to 104° F (0° to 40° C)                          |
|  |                                      | Non-operating (storage) Temperature  | -4° to 149° F (-20° to 65° C)                        |
|  |                                      | Altitude   | 0 to 10,000 ft (0 to 3,048 m)                        |
|  |                                      | Humidity   | 20% to 80%   |
|  |                                      | Storage Humidity   | 10% to 90%   |
|  | <b>EMI and Safety Certifications</b> | CE Mark: full compliance with LVD and EMC directives<br>Worldwide safety standards: IEC950, EN60950, UL1950, Class2, SELV Agency approvals: C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCIB, NOM-1 NYCE |  |
|  | <b>MTBF</b>                          | Over 200,000 hours at 25°C ambient condition   |  |
| <b>52Wh Primary Lithium-Ion Battery Pack</b> | <b>Dimensions (H x W x L)</b>        | 0.8 x 2.1 x 8.0 in (2.0 x 5.3 x 20.3c m)   |  |
|  | <b>Weight</b>                        | 0.681 lb (0.315 kg)  |  |
|  | <b>Cells/Type</b>                    | 6-cell Lithium-Ion   |  |
|  | <b>Energy</b>                        | Voltage  | 10.8 V   |
|  |                                      | Amp-hour Capacity  | 4.8Ah  |
|  |                                      | Watt-hour Capacity   | 52Wh   |
|  | <b>Temperature</b>                   | Operating (Charging)   | 32° to 113° F (0° to 45° C)                          |
|  |                                      | Operating (Discharging)  | 14° to 140° F (-10° to 60° C)                        |
|  |                                      | Non-operating  | -4° to 140° F (-20° to 60° C)                        |
|  | <b>Battery Re-Charge Time</b>        | System in OFF Mode or Standby  | 2.5 hours  |
|  |                                      | System ON  | 3 to 5 hours (depending on system power consumption) |

# QuickSpecs

## HP Compaq nx6125 Notebook PC

### Technical Specifications

|   |                                |  |   |
|---|--------------------------------|--|---|
|   |                                | HP Fast Charge Technology  | Charges the battery up to 90% within 1.5 hours when system is OFF |
| <b>Optional 52Wh Travel Battery</b>                         | <b>Dimensions (H x W x L)</b>  | 1.0 x 3.9 x 8.7 in (2.5 x 10.0 x 22.0 cm)                                |   |
|   | <b>Weight</b>                  | 1.00 lb (0.455 kg)   |   |
|   | <b>Cells/Type</b>              | 8-cell Lithium-Ion   |   |
|   | <b>Energy</b>                  | Voltage  | 14.4 V  |
|   |                                | Amp-hour Capacity  | 3.6Ah   |
|   |                                | Watt-hour Capacity   | 52Wh  |
|   | <b>Temperature</b>             | Operating (Charging)   | 32° to 113° F (0° to 45° C)                                       |
|   |                                | Operating (Discharging)  | 14° to 140° F (-10° to 60° C)                                     |
|   |                                | Non-operating  | -4° to 140° F (-20° to 60° C)                                     |
|   | <b>Battery Re-Charge Time</b>  | System in OFF mode or Standby  | 3 hours   |
|   |                                | System ON  | 3 to 5 hours (depending on system power consumption)              |
|   | <b>Fuel Gauge</b>              | When pressed, LEDs light indicating level of charge remaining on battery |   |
| <b>15.0-Inch Color TFT XGA Display</b>                      | <b>Active Area (W x H)</b>     | 12.0 x 9.0 in (30.4 x 22.8 cm)   |   |
|   | <b>Diagonal Size</b>           | 15.0 in (38.0 cm)  |   |
|   | <b>Surface Treatment</b>       | Anti-glare   |   |
|   | <b>Number of Colors</b>        | Up to 16 M   |   |
|   | <b>Contrast Ratio</b>          | 250:1 (typical)  |   |
|   | <b>Refresh Rate</b>            | 60 Hz  |   |
|   | <b>Brightness</b>              | 150 nit (typical)  |   |
|   | <b>Pixel Resolution</b>        | Pitch  | 0.297 mm  |
|   |                                | Format   | 1024 x 768  |
|   |                                | Configuration  | RGB Stripe  |
|   | <b>Backlight</b>               | CCFL   |   |
|   | <b>PPI</b>                     | 85   |   |
|   | <b>Character Display</b>       | 80 x 25  |   |
|   | <b>Total Power Consumption</b> | 5.7 W  |   |
|   | <b>Viewing Angle</b>           | ±45° Horizontal, +15°/-35° Vertical (typical)                            |   |
| <b>15.0-Inch Color TFT SXGA+ Wide Viewing Angle Display</b> | <b>Active Area (W x H)</b>     | 12.0 x 9.0 in (30.4 x 22.8 cm)   |   |
|   | <b>Diagonal Size</b>           | 15.0 in (38.0 cm)  |   |
|   | <b>Surface Treatment</b>       | Anti-glare   |   |
|   | <b>Number of Colors</b>        | Up to 16 M   |   |
|   | <b>Contrast Ratio</b>          | 300:1 (typical)  |   |
|   | <b>Refresh Rate</b>            | 60 Hz  |   |

### *Technical Specifications*

|                                |   |             |  |
|--------------------------------|---|-------------|--|
| <b>Brightness</b>              | 180 nit (typical)                             |             |  |
| <b>Pixel Resolution</b>        | Pitch   | 0.217 mm    |  |
|                                | Format  | 1400 x 1050 |  |
|                                | Configuration                                 | RGB Stripe  |  |
| <b>Backlight</b>               | CCFL  |             |  |
| <b>PPI</b>                     | 116   |             |  |
| <b>Character Display</b>       | 80 x 25                                       |             |  |
| <b>Total Power Consumption</b> | 5.8 W   |             |  |
| <b>Viewing Angle</b>           | ±60° Horizontal, +40°/-45° Vertical (typical) |             |  |

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### Technical Specifications

#### Hard Drives

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|                       |   |                             |                             |
|-----------------------|---|-----------------------------|-----------------------------|
| <b>80-GB 5400 rpm</b> | <b>Drive Weight</b>                                     | 0.22 lb (99 g)              |                             |
|                       | <b>Capacity</b>   | 80 GB                       |                             |
|                       | <b>Height</b>   | 0.37 in (9.5 mm)            |                             |
|                       | <b>Width</b>  | 2.75 in (70 mm)             |                             |
|                       | <b>Interface</b>  | ATA-6                       |                             |
|                       | <b>Transfer Rate</b>                                    | Synchronous (maximum)       | 100 MB/s (Drive Capability) |
|                       | <b>Seek Time</b><br>(typical reads, including settling) | Single Track                | 3 ms                        |
|                       |   | Average                     | 13 ms                       |
|                       |   | Maximum                     | 24 ms                       |
|                       | <b>Rotational Speed</b>                                 | 5400 rpm                    |                             |
|                       | <b>Logical Blocks</b>                                   | 156,301,488                 |                             |
|                       | <b>Operating Temperature</b>                            | 41° to 131° F (5° to 55° C) |                             |
| <b>Features</b>       | ATA Security  |                             |                             |

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|                       |   |                             |                             |
|-----------------------|---|-----------------------------|-----------------------------|
| <b>60-GB 5400 rpm</b> | <b>Drive Weight</b>                                     | 0.22 lb (99 g)              |                             |
|                       | <b>Capacity</b>   | 60 GB                       |                             |
|                       | <b>Height</b>   | 0.37 in (9.5 mm)            |                             |
|                       | <b>Width</b>  | 2.75 in (70 mm)             |                             |
|                       | <b>Interface</b>  | ATA-6                       |                             |
|                       | <b>Transfer Rate</b>                                    | Synchronous (maximum)       | 100 MB/s (Drive Capability) |
|                       | <b>Seek Time</b><br>(typical reads, including settling) | Single Track                | 3 ms                        |
|                       |   | Average                     | 13 ms                       |
|                       |   | Maximum                     | 24 ms                       |
|                       | <b>Rotational Speed</b>                                 | 5400 rpm                    |                             |
|                       | <b>Logical Blocks</b>                                   | 117,210,240                 |                             |
|                       | <b>Operating Temperature</b>                            | 41° to 131° F (5° to 55° C) |                             |
| <b>Features</b>       | ATA Security  |                             |                             |

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|                       |                                     |                       |                             |
|-----------------------|-------------------------------------|-----------------------|-----------------------------|
| <b>40-GB 5400 rpm</b> | <b>Drive Weight</b>                 | 0.22 lb (99 g)        |                             |
|                       | <b>Capacity</b>                     | 40 GB                 |                             |
|                       | <b>Height</b>                       | 0.37 in (9.5 mm)      |                             |
|                       | <b>Width</b>                        | 2.75 in (70 mm)       |                             |
|                       | <b>Interface</b>                    | ATA-6                 |                             |
|                       | <b>Transfer Rate</b>                | Synchronous (maximum) | 100 MB/s (Drive Capability) |
|                       | <b>Seek Time</b><br>(typical reads, | Single Track          | 3 ms                        |
| Average               |                                     | 13 ms                 |                             |

### Technical Specifications

|                              |                             |       |
|------------------------------|-----------------------------|-------|
| including settling)          | Maximum                     | 24 ms |
| <b>Rotational Speed</b>      | 5400 rpm                    |       |
| <b>Logical Blocks</b>        | 78,140,160                  |       |
| <b>Operating Temperature</b> | 41° to 131° F (5° to 55° C) |       |
| <b>Features</b>              | ATA Security                |       |

|                              |   |                       |                             |
|------------------------------|---|-----------------------|-----------------------------|
| <b>80-GB 4200 rpm</b>        | <b>Drive Weight</b>                                     | 0.22 lb (99 g)        |                             |
|                              | <b>Capacity</b>   | 80 GB                 |                             |
|                              | <b>Height</b>   | 0.37 in (9.5 mm)      |                             |
|                              | <b>Width</b>  | 2.75 in (70 mm)       |                             |
|                              | <b>Interface</b>  | ATA-6                 |                             |
|                              | <b>Transfer Rate</b>                                    | Synchronous (maximum) | 100 MB/s (Drive Capability) |
|                              | <b>Seek Time</b><br>(typical reads, including settling) | Single Track          | 3 ms                        |
|                              |   | Average               | 13 ms                       |
|                              |   | Maximum               | 24 ms                       |
|                              | <b>Rotational Speed</b>                                 | 4200 rpm              |                             |
|                              | <b>Logical Blocks</b>                                   | 156,301,488           |                             |
| <b>Operating Temperature</b> | 41° to 131° F (5° to 55° C)                             |                       |                             |
| <b>Features</b>              | ATA Security  |                       |                             |

|                              |   |                       |                             |
|------------------------------|---|-----------------------|-----------------------------|
| <b>60-GB 4200 rpm</b>        | <b>Drive Weight</b>                                     | 0.22 lb (99 g)        |                             |
|                              | <b>Capacity</b>   | 60 GB                 |                             |
|                              | <b>Height</b>   | 0.37 in (9.5 mm)      |                             |
|                              | <b>Width</b>  | 2.75 in (70 mm)       |                             |
|                              | <b>Interface</b>  | ATA-6                 |                             |
|                              | <b>Transfer Rate</b>                                    | Synchronous (maximum) | 100 MB/s (Drive Capability) |
|                              | <b>Seek Time</b><br>(typical reads, including settling) | Single Track          | 3 ms                        |
|                              |   | Average               | 13 ms                       |
|                              |   | Maximum               | 24 ms                       |
|                              | <b>Rotational Speed</b>                                 | 4200 rpm              |                             |
|                              | <b>Logical Blocks</b>                                   | 117,210,240           |                             |
| <b>Operating Temperature</b> | 41° to 131° F (5° to 55° C)                             |                       |                             |
| <b>Features</b>              | ATA Security  |                       |                             |

|                       |                     |                  |  |
|-----------------------|---------------------|------------------|--|
| <b>40-GB 4200 rpm</b> | <b>Drive Weight</b> | 0.22 lb (99 g)   |  |
|                       | <b>Capacity</b>     | 40 GB            |  |
|                       | <b>Height</b>       | 0.37 in (9.5 mm) |  |
|                       | <b>Width</b>        | 2.75 in (70 mm)  |  |

### Technical Specifications

|   |                             |                             |
|---|-----------------------------|-----------------------------|
| <b>Interface</b>  | ATA-6                       |                             |
| <b>Transfer Rate</b>                                    | Synchronous (maximum)       | 100 MB/s (Drive Capability) |
| <b>Seek Time</b><br>(typical reads, including settling) | Single Track                | 3 ms                        |
|   | Average                     | 13 ms                       |
|   | Maximum                     | 24 ms                       |
| <b>Rotational Speed</b>                                 | 4200 rpm                    |                             |
| <b>Logical Blocks</b>                                   | 78,140,160                  |                             |
| <b>Operating Temperature</b>                            | 41° to 131° F (5° to 55° C) |                             |
| <b>Features</b>   | ATA Security                |                             |

### Removable Storage Drives – Fixed Bay

|                     |                                  |   |            |
|---------------------|----------------------------------|---|------------|
| <b>CD-ROM Drive</b> | <b>Access Times</b>              | Random  | <110 ms CD |
|                     | <b>Max Data Transfer Rate</b>    | 24X CD-ROM  | 3,600 KB/s |
|                     | <b>Transfer Mode</b>             | Multiword DMA Mode 2  |            |
|                     | <b>Interface</b>                 | EIDE  |            |
|                     | <b>Supported Media (read)</b>    | CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW |            |
|                     | <b>Supported Media (write)</b>   | None  |            |
|                     | <b>Max Media Capacity (read)</b> | 700 MB  |            |
| <b>Transport</b>    | Tray Loading                     |   |            |

|                      |                                  |   |                           |
|----------------------|----------------------------------|---|---------------------------|
| <b>DVD-ROM Drive</b> | <b>Access Times</b>              | Random  | <100 ms CD<br><125 ms DVD |
|                      | <b>Max Data Transfer Rate</b>    | 24X-CD-ROM<br>8X-DVD  | 3,600 KB/s<br>10,800 KB/s |
|                      | <b>Transfer Mode</b>             | Multiword DMA Mode 2  |                           |
|                      | <b>Interface</b>                 | EIDE  |                           |
|                      | <b>Supported Media (read)</b>    | CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW |                           |
|                      | <b>Supported Media (write)</b>   | None  |                           |
|                      | <b>Max Media Capacity (read)</b> | 4.7 GB  |                           |
| <b>Transport</b>     | Tray Loading                     |   |                           |

### Technical Specifications

|                                   |                                  |   |                           |
|-----------------------------------|----------------------------------|---|---------------------------|
| <b>DVD/CD-RW Combo Drive</b>      | <b>Access Times</b>              | Random  | <110 ms CD<br><130 ms DVD |
|                                   | <b>Max Data Transfer Rate</b>    | 24X CD-ROM  | 3,600 KB/s                |
|                                   |                                  | 8X DVD  | 10,800 KB/s               |
|                                   |                                  | 24X CD-R  | 3,600 KB/s                |
|                                   |                                  | 24X CD-RW   | 3,600 KB/s                |
|                                   | <b>Transfer Mode</b>             | Multiword DMA Mode 2  |                           |
|                                   | <b>Interface</b>                 | EIDE  |                           |
|                                   | <b>Supported Media (read)</b>    | CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW |                           |
|                                   | <b>Supported Media (write)</b>   | CD-R, CD-RW   |                           |
|                                   | <b>Max Media Capacity (read)</b> | 4.7 GB  |                           |
| <b>Max Media Capacity (write)</b> | 700 MB                           |   |                           |
| <b>Transport</b>                  | Tray loading                     |   |                           |

|                                   |   |                      |                           |
|-----------------------------------|---|----------------------|---------------------------|
| <b>DVD+/-RW Drive</b>             | <b>Access Times</b>   | Random               | <175 ms CD<br><230 ms DVD |
|                                   | <b>Max Data Transfer Rate</b>   | 24X CD-ROM           | 3,600 KB/s                |
|                                   |   | 8X DVD               | 10,800 KB/s               |
|                                   |   | 16X CD-R             | 2,400 KB/s                |
|                                   |   | 10X CD-RW            | 1,500 KB/s                |
|                                   |   | 4X DVD+R             | 5,400 KB/s                |
|                                   |   | 4X DVD+RW            | 5,400 KB/s                |
|                                   |   | 4X DVD-R             | 5,400 KB/s                |
|                                   |   | 2X DVD-RW            | 2,700 KB/s                |
|                                   | <b>Transfer Mode</b>  | Multiword DMA Mode 2 |                           |
| <b>Interface</b>                  | EIDE  |                      |                           |
| <b>Supported Media (read)</b>     | CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW |                      |                           |
| <b>Supported Media (write)</b>    | CD-R, CD-RW, DVD+R, DVD+RW, DVD-R, DVD-RW   |                      |                           |
| <b>Max Media Capacity (read)</b>  | 4.7 GB  |                      |                           |
| <b>Max Media Capacity (write)</b> | 4.7 GB  |                      |                           |

### Technical Specifications

|  | Transport   | Tray Loading         |                           |             |
|--|---|----------------------|---------------------------|-------------|
| <b>DVD+/-RW Drive with Double Layer Technology</b> | <b>Access Times</b>   | Random               | <175 ms CD<br><230 ms DVD |             |
|  | <b>Max Data Transfer Rate</b>   | 24X CD-ROM           |                           | 3,600 KB/s  |
|  |   | 8X DVD               |                           | 10,800 KB/s |
|  |   | 24X CD-R             |                           | 3,600 KB/s  |
|  |   | 10X CD-RW            |                           | 1,500 KB/s  |
|  |   | 8X DVD+R             |                           | 10,800 KB/s |
|  |   | 4X DVD+RW            |                           | 5,400 KB/s  |
|  |   | 4X DVD-R             |                           | 5,400 KB/s  |
|  |   | 2X DVD-RW            |                           | 2,700 KB/s  |
|  | <b>Transfer Mode</b>  | Multiword DMA Mode 2 |                           |             |
|  | <b>Interface</b>  | EIDE                 |                           |             |
| <b>Supported Media (read)</b>                      | CD-DA, CD+(E)G, CD-MIDI, CD-TEXT, CD-ROM, CD-ROM XA, MIXED MODE CD, CD-I, CD-I Bridge (Photo-CD, Video CD), Multisession CD (Photo-CD, CD-EXTRA, Portfolio, CD-R, CD-RW), CD-R, CD-RW, DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-R, DVD-RW, DVD+R, DVD+RW |                      |                           |             |
| <b>Supported Media (write)</b>                     | CD-R, CD-RW, DVD+R, DVD+RW, DVD-R, DVD-RW   |                      |                           |             |
| <b>Max Media Capacity (read)</b>                   | 8.5 GB  |                      |                           |             |
| <b>Max Media Capacity (write)</b>                  | 4.7 GB  |                      |                           |             |
| <b>Transport</b>                                   | Tray Loading  |                      |                           |             |

### Audio

|                 |                                     |                            |
|-----------------|-------------------------------------|----------------------------|
| <b>Hardware</b> | <b>Implementation</b>               | Conexant AC '97 CODEC      |
|                 | <b>Volume Controls</b>              | Up, down, and mute buttons |
|                 | <b>Full Duplex</b>                  | Yes                        |
|                 | <b>Sound Blaster Pro compatible</b> | Yes                        |
|                 | <b>Microphone Jack</b>              | Stereo or mono             |
|                 | <b>Headphone/Line Out Jack</b>      | Stereo                     |

|                             |                                  |                |
|-----------------------------|----------------------------------|----------------|
| <b>Audio Output Quality</b> | <b>Frequency Response</b>        | 20 Hz - 20 kHz |
|                             | <b>Signal to Noise Ratio</b>     | >85 dB         |
|                             | <b>Total Harmonic Distortion</b> | 0.01%          |
|                             | <b>Noise Floor</b>               | -110 dB        |
|                             | <b>Play/Record Sampling</b>      | 7 kHz - 48 kHz |

### Technical Specifications

|                         |        |
|-------------------------|--------|
| <b>Rate(s)</b>          |        |
| <b>AD/DA Resolution</b> | 16 bit |

|                          |                     |         |
|--------------------------|---------------------|---------|
| <b>Internal Speakers</b> | <b>Power Rating</b> | 2 Watts |
|                          | <b>Impedance</b>    | 4 Ohms  |

### Communications

|   |                               |  |
|---|-------------------------------|--|
| <b>Integrated Broadcom NetXtreme Gigabit PCI Express Ethernet Controller</b><br>(10/100/1000 NIC) | <b>Ethernet Features</b>      | 10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14)<br>100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30)<br>1000 Mbit/s operation (1000BASE-T; IEEE 802.3z and 802.3ab; IEEE 802.3 clauses 34-42)<br>Auto-Negotiation (Automatic Speed Selection)<br>Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s<br>IEEE 802.1p QoS (Quality of Service) Support<br>IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable) |
|   | <b>Power Management</b>       | ACPI 1.1a compliant -- multiple power modes<br>Situation-sensitive features reduce power consumption<br>NIC Battery Saving Mode (enabled by default)   |
|   | <b>Performance Features</b>   | TCP/IP/UDP Checksum Offload (configurable)<br>Microsoft Large Send Offload (configurable)<br>TCP Segmentation Offload<br>CPU Task Offload<br>Adaptive Interrupts   |
|   | <b>Manageability</b>          | Wake-on-LAN from all Power-Managed States (configurable; Magic Packet and Microsoft Wake-Up Frame)<br>PXE 2.0 Remote Boot<br>Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30))<br>Comprehensive diagnostic and configuration software suite<br>Cable Analyzer  |
|   | <b>NIC Device Driver Name</b> | Broadcom NetXtreme Gigabit Ethernet  |
|   | <b>Drivers Available</b>      | Microsoft Windows XP<br>Microsoft Windows 2000   |

|                                  |                                 |   |
|----------------------------------|---------------------------------|---|
| <b>Agere Systems AC'97 Modem</b> | <b>Form Factor</b>              | MDC Daughtercard  |
|                                  | <b>Power Management Support</b> | APM Revision 1.2, ACPI  |
|                                  | <b>Approvals/Certifications</b> | UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries |
|                                  | <b>Data Mode Capabilities</b>   | 56K modem (a-law, mu-law)<br>V.8bis   |

### Technical Specifications

V.80  
V.44, V.42bis, MNP5 (Compression)  
V.42 (LAPM, MNP2-4) (Error Correction)  
V.34 (file date: 10/96)  
**Optional symbol rates:**  
2800, 3429  
Asymmetric Symbol rates  
**Synchronous primary channel data signaling rates:**  
3600, 31200  
Automatic rate re-negotiation  
V.32bis  
V.32  
V.23  
V.22bis  
V.22  
V.21  
Bell 212A  
Bell 103J

**Fax Mode Capabilities** TIA/EIA-578-B (Class 1)  
T.30, T.4 (Group 3)  
V.17  
V.29  
V.27ter  
V.21 Channel 2

**Command Set** V.250 (Partial)  
TIA-602  
Identification: +GMI, +GMM, +GMR  
Port control: +IPR, +ICF, +IFC, +ILRR  
Modulation: +MS, +MR, +MA  
Error control: +ES, +ER, +EB, +ESR, +ETBM  
Data compression: +DS, +DR  
V.251

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|                                |                               |   |
|--------------------------------|-------------------------------|---|
| <b>Broadcom 802.11b/g WLAN</b> | <b>Wireless LAN Standards</b> | IEEE 802.11b<br>IEEE 802.11g  |
|                                | <b>Interoperability</b>       | Wi-Fi certified<br>Cisco Compatible Extensions Program compliant (details at <a href="http://www.hp.com/go/notebooks/WLAN">www.hp.com/go/notebooks/WLAN</a> ) |
|                                | <b>Frequency Band</b>         | 2.4 GHz   |
|                                | <b>Data Rates</b>             | 802.11b: 1, 2, 5.5, 11 Mbps<br>802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps   |
|                                | <b>Modulation</b>             | Direct Sequence Spread Spectrum<br>DBPSK, DQPSK, CCK, OFDM  |
|                                | <b>Security<sup>1</sup></b>   | Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST.    |

Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco

### Technical Specifications

|  |  |  |
|--|--|--|
|  | Compatible Extensions Program).  |  |
| <b>Sub-channels</b>  | Multinational support with frequency bands and channels compliant to local regulations.  |  |
| <b>Media Access Protocol</b>   | CSMA/CA (Collision Avoidance) with ACK   |  |
| <b>Network Architecture Models</b>                                     | Ad-hoc (Peer to Peer)<br>Infrastructure (Access Point Required)  |  |
| <b>Roaming</b>   | IEEE 802.11 compliant roaming between access points.   |  |
| <b>Output Power</b> (for CKK) <sup>2</sup>                             | 17.5 dBm +/- 1.5 dB  |  |
| <b>Output Power</b> (for OFDM; power varies by data rate) <sup>2</sup> | 13.5 dBm +/- 1.5 dB  |  |
| <b>Power Consumption</b>   | Transmit: 2.0 W (max)<br>Receive: 1.5 W (max)<br>Idle mode: 248 mW (nominal)<br>Sleep mode: 20 mW (max)  |  |
| <b>Power Management</b>  | ACPI compliant power management<br>802.11 Compliant Power Saving Mode  |  |
| <b>Receiver Sensitivity</b> <sup>3</sup>                               | 54 Mbps: -72 dBm, 1 Mbps: -94 dBm  |  |
| <b>Antenna type</b>  | High efficiency dual band antenna with polarization diversity, mounted in the display enclosure  |  |
| <b>Range</b>   | 802.11 b – Typical (@1 Mbps)   | 1200 feet – Outdoor Open Area<br>300 feet – Indoor, Office environment |
|  | 802.11 g – Typical (@1 Mbps)   | 1200 feet – Outdoor Open Area<br>300 feet – Indoor, Office environment |
| <b>Form Factor</b>   | MiniPCI Type IIIB  |  |
| <b>Weight</b>  | 0.026 lb (12 g)  |  |
| <b>Dimensions</b>  | 0.20 x 1.75 x 2.34 in (4.9 x 44.6 x 59.8 mm)   |  |
| <b>Operating Voltage</b>   | 3.3v   |  |
| <b>Temperature</b>   | Operating  | 32° to 122° F (0° to 50° C)  |
|  | Non-operating  | -14° to 158° F (-10° to 70° C)   |
| <b>Humidity</b>  | Operating  | 10% to 90% (non-condensing)  |
|  | Non-operating  | 5% to 95% (non-condensing)   |
| <b>Altitude</b>  | Operating  | 0 to 15,000 ft (4,572 m)   |
|  | Non-operating  | 0 to 40,000 ft (12,192 m)  |
| <b>Configuration Utility</b> <sup>4</sup>                              | Choice of Configuration Utility:   |  |
|  | <ul style="list-style-type: none"> <li>• Microsoft Windows XP Wireless Network Connection Manager</li> <li>• Broadcom Wireless Configuration Utility (required for Cisco Compatible Extensions support)</li> </ul> |  |

1. Check latest software/driver release for updates on supported security features.
2. Maximum output power may vary by country according to local regulations.
3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

### Technical Specifications

- WLAN supplier's client utility is required for Cisco Compatible Extensions support. WLAN may also be compatible with certain third-party software suppliers.

|                                      |   |  |
|--------------------------------------|---|--|
| <b>Broadcom<br/>802.11a/b/g WLAN</b> | <b>Wireless LAN Standards</b>   | IEEE 802.11a<br>IEEE 802.11b<br>IEEE 802.11g   |
|                                      | <b>Interoperability</b>   | Wi-Fi certified<br>Cisco Compatible Extensions Program compliant (details at <a href="http://www.hp.com/go/notebooks/WLAN">www.hp.com/go/notebooks/WLAN</a> )  |
|                                      | <b>Frequency Band</b>   | 2.4 GHz and 5 GHz  |
|                                      | <b>Data Rates</b>   | 802.11b: 1, 2, 5.5, 11 Mbps<br>802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  |
|                                      | <b>Modulation</b>   | Direct Sequence Spread Spectrum<br>DBPSK, DQPSK, CCK, OFDM   |
|                                      | <b>Security<sup>1</sup></b>   | Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES, 802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP, EAP-FAST.<br><br>Support for Cisco Security Features (proven compatibility with Cisco Aironet infrastructure products through the Cisco Compatible Extensions Program). |
|                                      | <b>Sub-channels</b>   | Multinational support with frequency bands and channels compliant to local regulations.  |
|                                      | <b>Media Access Protocol</b>  | CSMA/CA (Collision Avoidance) with ACK   |
|                                      | <b>Network Architecture Models</b>                                    | Ad-hoc (Peer to Peer)<br>Infrastructure (Access Point Required)  |
|                                      | <b>Roaming</b>  | IEEE 802.11 compliant roaming between access points  |
|                                      | <b>Output Power (for CCK)<sup>2</sup></b>                             | 17.5 dBm +/- 1.5 dB  |
|                                      | <b>Output Power (for OFDM; power varies by data rate)<sup>2</sup></b> | 13.5 dBm +/- 1.5 dB  |
|                                      | <b>Power Consumption</b>  | Transmit: 2.0 W (max)<br>Receive: 1.5 W (max)<br>Idle mode: 248 mW (nominal)<br>Sleep mode: 20 mW (max)  |
|                                      | <b>Power Management</b>   | ACPI compliant power management<br>802.11 compliant power saving mode  |
|                                      | <b>Receiver Sensitivity<sup>3</sup></b>                               | 802.11a - 54 Mbps: -70 dBm; 802.11g - 54 Mbps: -72 dBm, 1 Mbps: -94 dBm  |
|                                      | <b>Antenna type</b>   | High efficiency dual band antenna with polarization diversity, mounted in the display enclosure  |
|                                      | <b>Range</b>  | 802.11 a – Typical      1000 feet – Outdoor Open Area (@6 Mbps)<br>300 feet – Indoor, Office environment<br>802.11 b – Typical      1200 feet – Outdoor Open Area  |

### Technical Specifications

|  |  |                                       |
|--|--|---------------------------------------|
|  | (@1 Mbps)  | 300 feet – Indoor, Office environment |
|  | 802.11 g – Typical   | 1200 feet – Outdoor Open Area         |
|  | (@1 Mbps)  | 300 feet – Indoor, Office environment |
| <b>Form Factor</b>                       | MiniPCI Type IIIA  |                                       |
| <b>Weight</b>                            | 0.035 lb (16 g)  |                                       |
| <b>Dimensions</b>                        | 0.19 x 2.00 x 2.35 in (4.8 x 50.95 x 59.75 mm)   |                                       |
| <b>Operating Voltage</b>                 | 3.3v   |                                       |
| <b>Temperature</b>                       | Operating  | 32° to 122° F (0° to 50° C)           |
|  | Non-operating  | -14° to 158° F (-10° to 70° C)        |
| <b>Humidity</b>                          | Operating  | 10% to 90% (non-condensing)           |
|  | Non-operating  | 5% to 95% (non-condensing)            |
| <b>Altitude</b>                          | Operating  | 0 to 15,000 ft (4,572 m)              |
|  | Non-operating  | 0 to 40,000 ft (12,192 m)             |
| <b>Configuration Utility<sup>4</sup></b> | Choice of Configuration Utility:   |                                       |
|  | <ul style="list-style-type: none"> <li>• Microsoft Windows XP Wireless Network Connection Manager</li> <li>• Broadcom Wireless Configuration Utility (required for Cisco Compatible Extensions support)</li> </ul> |                                       |

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4. WLAN supplier's client utility is required for Cisco Compatible Extensions support. WLAN may also be compatible with certain third-party software supplicants.

### Bluetooth by HP

|                                     |  |
|-------------------------------------|--|
| <b>Name</b>                         | HP Integrated module with Bluetooth wireless technology                                    |
| <b>Bluetooth Specification</b>      | 1.2 Compliant  |
| <b>Dimensions</b>                   | 1.02 x 0.55 x 0.22 in (26 x 14 x 5.7 mm)   |
| <b>Frequency Band</b>               | 2402 to 2480 MHz   |
| <b>Number of available channels</b> | 79 (1 MHz) available channels  |
| <b>Data Rates and throughput</b>    | 1 Mbps data rate; throughput up to 720 Kbps  |
|                                     | Synchronous Connection Oriented links up to 3, 64 kbps, voice channels                     |
|                                     | Asynchronous Connection Less links 723.2 kbps/57.6 kbps asymmetric or 433.9 kbps symmetric |
| <b>Transmit Power</b>               | -6 dBm to 4 dBm (Bluetooth Class II)   |
| <b>Receiver Sensitivity</b>         | Better than -80 dBM at 0.1 % raw bit error rate  |
| <b>Power Consumption</b>            | Peak (Tx) 264 mW   |
|                                     | Peak (Rx) 231 mW   |
|                                     | Sleep <1 mW  |
| <b>Antenna</b>                      | Internally integrated within module  |

### Technical Specifications

|                                     |   |
|-------------------------------------|---|
| <b>Range</b>                        | Up 33 ft (10 m)   |
| <b>Electrical Interface</b>         | USB 1.1 compliant   |
| <b>OS Support</b>                   | Microsoft Windows Plug and Play compliant<br>Microsoft Windows XP Professional and Home<br>Microsoft Windows 2000   |
| <b>Bluetooth Software Supported</b> | Widcomm Bluetooth for Windows<br>Microsoft Windows XP Bluetooth Software  |
| <b>Link Topology</b>                | Point to Point, Multipoint Pico Nets up to 7 slaves   |
| <b>Security</b>                     | Full support of Bluetooth Security Provisions   |
| <b>Power Management</b>             | Microsoft Windows ACPI, and USB Bus Support<br>Self configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff  |
| <b>Certifications</b>               | All necessary regulatory approvals for supported countries, including:<br>FCC (47 CFR) Part 15C, Section 15.247 & 15.249<br>ETS 300 328, ETS 300 826<br>Low Voltage Directive IEC950<br>UL, CSA, and CE Mark  |
| <b>Temperature</b>                  | Operating -4° to 158° F (-20° to 70° C)<br>Non-operating -40° to 176° F (-40° to 80° C)   |
| <b>Humidity</b>                     | Operating 10% to 90%<br>Non-operating 5% to 95%   |
| <b>Altitude</b>                     | Operating 15,000 ft (4,572 m)<br>Non-operating 40,000 ft (12,192 m)   |
| <b>Bluetooth Profiles Supported</b> | (with Bluetooth for Windows 4.0 software)<br>Serial Port Profile (SPP)*<br>Dial-Up Networking (DUN)*<br>Generic Object Exchange Profile (GOEP)<br>Object Push Profile (OPP)*<br>File Transfer Profile (FTP)<br>Synchronization Profile (SYNC)<br>Hard Copy Cable Replacement (HCRP)*<br>Personal Area Networking Profile (PAN)*<br>Human Interface Device Profile (HID)*<br>FAX Profile (FAX)<br>Basic Imaging Profile (BIP)<br>Headset Profile (HSP)<br>Hands Free Profile (HFP)<br>Advanced Audio Distribution Profile (A2DP) |

\* indicates the profile is also supported by Microsoft Windows XP SP2

### *Technical Specifications*

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