

# HP Compaq nx6310 Notebook PCs

HP recommends Windows® XP Professional



Ideal Affordability and Productivity – Intel® Core™ Duo processors, 15-inch displays, and fixed optical drive

The HP Compaq nx6310 Notebook PC offers you an affordable mobile office by providing the ideal features to maximize productivity without straining your budget.

#### Productivity on the move

The tools you need to accomplish more in less time.

- Starting at just 6.1 lbs (2.77 kg) and as thin as 1.2" (30.3 mm), this thin and light notebook is built for work on the go.
- The optional double-layer DVD+/-RW gives you twice the storage of a single layer disc.<sup>3,6</sup>
- New Intel® Core™ Duo<sup>10</sup> processors allow simultaneous use of multiple applications so you accomplish more in less time.
- Choice of either a 15-inch TFT XGA display with or without BrightView or 15-inch TFT SXGA+ wide-viewing angle maximizes productivity.

#### Power and connectivity on the go

The connectivity and power that keeps you going.

- A variety of wired and wireless<sup>4</sup> communication solutions help you stay connected.
- With HP's selection of extended-life batteries,<sup>6</sup> you'll get power that goes with you.

#### HP Professional Innovations

A suite of value-added security, ease-of-use, and reliability features that helps differentiate HP Business Notebooks from all the rest.

- Security – Solutions to help protect your notebook, data, and network connections.
  - HP ProtectTools is a portfolio of security features designed to address critical aspects of IT security.
- Ease-of-use – Intuitive and power-saving features that boost productivity.
  - Compatible with most of the common notebook accessories<sup>6</sup> shared across HP's Business Notebook line.
  - HP Fast Charge Technology charges the primary battery 90% in 90 minutes then charges secondary battery to 90% to keep you running.<sup>13</sup>
- Reliability – Built to perform and proven to last.
  - HP Mobile Data Protection system helps reduce the risk of data loss or system failures caused by operational shock while the hard drive is active.

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Operating system	Preinstalled Genuine Windows XP Professional Edition Genuine Windows XP Home Edition FreeDOS	Supported Genuine Windows 2000 (drivers downloadable from <a href="http://www.hp.com">http://www.hp.com</a> )
Processor <sup>10</sup>	Intel Core Duo Processor T2600 <sup>†</sup> (2.16-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Core Duo Processor T2500 <sup>†</sup> (2.00-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Core Duo Processor T2400 <sup>†</sup> (1.83-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Core Duo Processor T2300 <sup>†</sup> (1.66-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Core Duo Processor T2300E <sup>†</sup> (1.66-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Core Solo Processor T1300 <sup>†</sup> (1.66-GHz, 667-MHz FSB, 2-MB L2 cache) Intel Celeron M Processor 430 <sup>†</sup> (1.73-GHz, 533-MHz FSB, 1-MB L2 cache) <sup>14</sup> Intel Celeron M Processor 420 <sup>†</sup> (1.60-GHz, 533-MHz FSB, 1-MB L2 cache) <sup>14</sup> Intel Celeron M Processor 410 <sup>†</sup> (1.46-GHz, 533-MHz FSB, 1-MB L2 cache) <sup>14</sup>  <sup>†</sup> Intel's numbering is not a measurement of higher performance. Intel Core Duo and Core Solo processors available with Intel 945GM Express Chipset only.	
Chipset	Mobile Intel 945GM Express Chipset or Mobile Intel 940GML Express Chipset <sup>14</sup>	
Memory	DDR2 SDRAM, 533- or 667-MHz <sup>1</sup> , two SODIMM slots supporting dual channel memory <sup>7</sup> , 256/512/1024/2048-MB, supports up to 4096 MB <sup>11</sup> with Mobile Intel 945GM Express Chipset, upgradeable to 2048 MB with Mobile Intel 940GML Express Chipset <sup>14</sup>	
Hard drive(s) <sup>9</sup>	Serial ATA 60/80/100-GB 5400 rpm	
Removable media	12.7-mm optical drives: LightScribe <sup>2</sup> DVD+/-RW with Double Layer <sup>3</sup> , DVD+/-RW SuperMulti <sup>10</sup> with Double Layer <sup>3</sup> , 24X DVD/CD-RW combo	
Display	15.0-inch XGA (1024 x 768 resolution and 16M colors), 15.0-inch XGA BrightView display (1024 x 768 resolution and 16M colors), 15.0-inch SXGA+ wide viewing angle (1400 x 1050 resolution and 16M colors)	
Graphics	Intel Graphics Media Accelerator 950, up to 128-MB shared system memory	
Audio	PremierSound High Definition Audio w/24-bit DAC, headphone jack, microphone jack	
Wireless <sup>4</sup> support	Intel PRO/Wireless 3945ABG Network Connection, Broadcom 4311AG 802.11a/b/g WiFi Adapter, Broadcom 4311BG 802.11b/g WiFi Adapter, Bluetooth™ 2.0	
Communications	Broadcom 10/100 Ethernet PCI Controller, 56K v.92 modem	
Expansion slots	1 Type I/II PC Card slot supports 32-bit CardBus and 16-bit cards	
Ports and connectors	2 USB 2.0 ports, VGA, mic in, line out, IEEE 1394a, AC power, RJ-11, RJ-45, lock slot	
Input device	Full-sized keyboard; Touchpad with scroll zone	
Software	Operating system updates Security and recovery	Microsoft Windows Media Player 10 Applications and utilities Microsoft .NET Framework 1.1 Applications HP Backup and Recovery Manager Applications Norton Internet Security HP ProtectTools Security Manager
		HP Wireless Assistant – select models HP Mobile Printing Driver for Windows Sonic Digital Media Plus – select models Intervideo WinDVD 5 – select models Microsoft Office 2003 Small Business or Professional- Optional
Security	HP ProtectTools, HP Drivelock, Kensington lock slot	
Dimensions (h x w x d)	1.2 in (at front) x 12.9 in (w) x 10.8 in (d) / 30.3 mm (at front) x 328.6 mm x 247.3 mm	
Weight	Starting at 6.1lb / 2.77 kg	
Power	6-cell (52 WHr) Lithium-Ion battery, 6 cell (43 WHr) Lithium-Ion battery, secondary HP 8-cell (52 WHr) Extended Life Battery <sup>6</sup> , 65W HP Smart AC Adapter <sup>12</sup> , HP Fast Charge Technology <sup>13</sup>	
Warranty	One-year limited parts and labor warranty, depending on country and model (upgrades available <sup>6</sup> ); one-year limited warranty on primary battery	

1 This memory is supported at 400 MHz by the Mobile Intel 940GML Express Chipset.

2 LightScribe creates a grayscale image similar to black and white photography. LightScribe media required and sold separately.

3 Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.

4 Wireless access point required and is not included. Availability of public wireless access points limited. Wireless Internet use requires separately purchased Internet service contract.

6 Sold separately or purchased as an optional feature

7 Dual Channel is only supported when the system is configured with DDR2 symmetric memory (i.e. 2x256).

8 Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided – Version 1.0 media.

9 For hard drives, GB = 1 billion bytes. Actual available capacity is less. Up to 8GB of memory is reserved for system recovery software.

10 Dual Core is a new technology designed to improve performance of certain software products. Check with software provider to determine suitability; Not all customers or software applications will necessarily benefit from use of this technology

11 4-GB memory available with Intel 945GM Express Chipset only. Above 3-GB, all memory may not be available due to system resource requirements.

12. The new HP Smart A/C Adapters will not be backwards compatible to prior generation notebooks. However, a dongle will be available to support existing notebooks in the field. Older HP adapters will not be forward compatible to the 2006 HP Business Notebooks

13 HP Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary and 12 cell Ultra Capacity batteries.

14 Available in May 2006

