

# HP Broadband Wireless notebooks

Integrated high-speed wireless connectivity for the professional on-the-go



Office not required. HP Broadband enabled notebooks allow you the freedom to setup your office in more places where your work may take you. Enjoy access to your e-mail, Internet and secure networks without searching and paying for a Wi-Fi hotspot connection.<sup>1</sup> In addition, easy-to-use software is preinstalled and is the only tool you need to manage your wireless connection.

HP delivers an exciting new wireless technology to help those who spend much of their workday away from their primary office. With the convergence of computing, communications, and media, HP has mobilized millions of customers. Now, HP delivers another solution that will provide even more freedom and connectivity for mobile professionals.

HP Broadband Wireless is the next step in achieving true mobility. You can already take your office on the road, but staying connected to your network can be difficult. HP Broadband Wireless capable notebooks give you the freedom to browse the Internet, check e-mail, and connect to corporate networks whether you're on the road or in a meeting across town<sup>1</sup>.



## Broadband Technology

Broadband wireless technology provides wireless connectivity for your notebook over a large geographic area anywhere you have cellular coverage. In a broadband wireless environment, mobile devices communicate through a wireless network operator's base station to the Internet. These operators install extensive networks providing coverage across entire states, regions, or even countries. Broadband wireless networks have a further advantage in that they can better maintain connections when the device is in motion, such as in an automobile or train.

The emergence of the cellular wireless data technology began in the early 1980s and was developed using analog data networks. This resulted in poor bandwidth usage, unreliable connections and poor transmission speeds. Today, the latest in the mobile data network evolution is 3G, or third generation. This generation of technology represents significant improvements that provide higher data transmission rates, greater system capacity, and improved efficiency. These enhancements provide mobile users with a fast, reliable and stable network that will maximize productivity and connectivity while at the office or on the road.

## HP Broadband Wireless

HP Broadband Wireless notebooks feature fully integrated 3G broadband wireless technology, enabling convenient high-speed wireless connectivity in more places.<sup>1</sup> The integrated broadband wireless technology in HP Broadband Wireless notebooks is complementary to other wireless technologies like Wi-Fi and Bluetooth. You can choose the most appropriate wireless technologies for your need, even using them concurrently in certain situations, such as downloading a document over a broadband wireless connection<sup>2</sup> and printing it using a Bluetooth-enabled HP printer.

### Ease of Use

HP Broadband Wireless notebooks allow you to connect in more places<sup>1</sup> at broadband speeds,<sup>3</sup> with no need to find a Wi-Fi hotspot. A single remote broadband wireless connection method allows you to avoid the hassle and expense of configuring multiple connections. In addition, you can sign up for service over the air-prepaid daily sessions with no long-term contract commitments, or unlimited-use monthly service plans (one- or two-year contract term) are available.

The wireless access button on your notebook along with HP's Wireless Assistant software help you conveniently manage your integrated broadband wireless, Wi-Fi and Bluetooth devices, controlling them all at once or individually. HP's Wireless Assistant will also displays the status of your integrated wireless devices at startup or whenever the connection status changes.

# HP Broadband Wireless notebooks

The HP Compaq nc6320 Notebook PC is a full-sized notebook solution that includes a good balance of connectivity, security, and mobility that will make you productive and secure in more places.

- Thin and light 15" optimized form factor starting at 6 lbs
- Powerful Intel Core Duo processors allow simultaneous use of multiple applications
- HP ProtectTools, HP Biometric Fingerprint Sensor, and TPM (1.2) Embedded Security
- Integrated HP ev2200 1xEV-DO Broadband Wireless module on select models<sup>1,4</sup>
- Optional secondary extended and ultra-capacity battery available

The HP Compaq nc6400 Notebook PC delivers the optimal combination of connectivity, security, and performance in a widescreen form factor to keep you secure, productive, and connected in and out of the office.

- Built for work on-the-go, 14.1" widescreen form factor starting at 4.6 lbs
- Powerful Intel Core Duo<sup>14</sup> processors allow simultaneous use of multiple applications
- Choice of graphics: Powerful ATI Radeon X1300 or Intel GMA 950
- User upgradeable HP Broadband Wireless module that can be added at a later time<sup>1,4</sup>
- Optional secondary extended and ultra-capacity battery available

## Reliability

HP Broadband Wireless notebooks offer a completely integrated solution, avoiding the potential damage posed from the use of protruding PC Cards or external antennae. The dual high-performance antennae located in the display enclosure provide optimum signal strength for a more dependable connection than with external antennae. In addition, HP Broadband Wireless notebooks are thoroughly tested by HP and certified for use on cellular data networks.

## Security

To help protect your wireless connection, HP Broadband Wireless notebooks are based upon proven CDMA technology. This provides user level authentication and uses spread-spectrum technology to encode your data. Your company's IT administrators can increase the level of security by enforcing the use of a Virtual Private Network (VPN).

Enhanced security is also available through HP ProtectTools Security Manager to help safeguard your data and prevent unauthorized use of your wireless notebook. HP ProtectTools Security Manager offers multifactor authentication, Microsoft® Windows® log-on service, a single sign-on "password vault," and identity storage, backup, and migration.

## Business Benefits

HP Broadband Wireless allows mobile customers to rely on a single remote connection method when away from the office. Using wired or wireless LAN in hotels, airports, and coffee shops is sometimes unpredictable and often challenging to set up. Many IT support calls result when business travelers fail to connect to a public Wi-Fi or to their VPN from a remote location. With HP Broadband Wireless notebooks, mobile users have a proven, consistent method of remotely connecting to corporate networks. This consistent remote connection helps businesses in several ways:

- Reduces IT help desk calls by using a consistent pre-configured remote connection.
- Saves time by connecting right away, thereby eliminating the need to troubleshoot connection issues.
- Saves money by avoiding multiple public hotspot connection charges.
- Improves security by not exposing notebooks to unencrypted public Wi-Fi hotspots.
- Enhances productivity and responsiveness by allowing users to work in more places they need to work.
- Improves user satisfaction by providing a connection solution that works in more places and with fewer hassles.

# Technical Specifications



**HP Compaq nc6320**



**HP Compaq nc6400**

<b>Processor</b> <sup>5</sup>	Intel Core Duo Processor up to T2600 (2.16 GHz, 667 MHz FSB, 2 MB L2 cache) Intel Celeron M Processor 420 (1.60 GHz, 533 MHz FSB, 1 MB L2 cache)	Intel Core Duo Processor up to T2600 (2.16 GHz, 667 MHz FSB, 2 MB L2 cache)
<b>Memory</b> <sup>6,7</sup>	DDR2 SDRAM, 533 or 667 MHz, two SODIMM slots supporting dual channel memory, 512/1024/2048 MB, supports up to 4096 MB	DDR2 SDRAM, 533 or 667 MHz, two SODIMM slots supporting dual channel memory, 512/1024/2048 MB, supports up to 4096 MB
<b>Hard Drives</b> <sup>8</sup>	Serial ATA 40/60/80/100 GB 5400 rpm	Serial ATA 40/60/80/100 GB 5400 rpm, 60 GB 7200 rpm
<b>Graphics</b> <sup>9</sup>	Intel Graphics Media Accelerator 950, up to 224 MB shared system	ATI Mobility Radeon X1300 256 MB HyperMemory <sup>10</sup> (discrete graphics) Intel Graphics Media Accelerator 950, up to 224 MB shared system (integrated graphics)
<b>Display</b>	15.0-inch XGA (1024 x 768 resolution and 16 million colors), 15.0-inch SXGA+ wide viewing angle (1400 x 1050 resolution and 16 million colors)	14.1-inch WXGA (1280 x 800 resolution and 16 million colors), 14.1-inch WXGA+ (1440 x 900 resolution and 16 million colors), Ambient Light Sensor
<b>Power</b> <sup>11,12</sup>	6-cell (52 WHr) Lithium-Ion battery, 65W HP Smart AC Adapter, HP Fast Charge Technology	6-cell (55 WHr) Lithium-Ion battery, 65W HP Smart AC Adapter <sup>12</sup> (standard for integrated graphics models), 90W HP Smart AC Adapter <sup>12</sup> (standard for discrete graphics models), HP Fast Charge Technology <sup>11</sup>
<b>Weight</b> <sup>13</sup>	Starting at 6.1 lb	Starting at 4.6 lb with weight saver and 6 cell battery

<sup>1</sup> Wireless use requires separately purchased service contract. Access limited to coverage area of Verizon Wireless. Check with Verizon Wireless for availability and coverage in your area.

<sup>2</sup> Wireless access point required and is not included. Wireless Internet use requires separately purchased Internet service contract. Availability of public wireless access points is limited.

<sup>3</sup> Broadband connection requires 1xEV-DO, UMTS, or HSDPA network support and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.

<sup>4</sup> Sold separately or as an optional feature.

<sup>5</sup> Intel's numbering is not a measurement of higher performance. 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.

<sup>6</sup> Dual Channel is only supported when the system is configured with DDR2 symmetric memory (i.e. 2x256).

<sup>7</sup> Above 3-GB, all memory may not be available due to system resource requirements.

<sup>8</sup> For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB of hard drive is reserved for system recovery software.

<sup>9</sup> Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for use by other programs.

<sup>10</sup> Indicates dedicated and shared system memory. Either 64 MB or 128 MB dedicated video memory (depending on model), requires 512 MB or more of system memory.

<sup>11</sup> Fast Charge Technology recharges your battery up to 90 percent within 90 minutes when the system is off. Fast Charge Technology does not apply to 9-cell primary and 12-cell Ultra Capacity batteries.

<sup>12</sup> 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.

<sup>13</sup> Weight will vary by configuration.

<sup>14</sup> 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.

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