

# Dell™ Latitude™ D820



## Unyielding Performance Meets Mobility



The Latitude D820 redefines the performance corporate notebook by providing not only high end graphics solutions for 3D applications, but also a mainstream graphics solution for those who require a 15.4" LCD for mainstream office applications.

The Latitude D820 is designed for users who require quality, ease of use and long term value in a performance notebook. Starting at 6.0lbs\* (2.73kgs), the Latitude D820 meets the customer need for a durable notebook where unyielding performance meets mobility.

### **Innovative Design:** Designed with usability in mind

- Clean & crisp industrial design that enhances a small & thin form-factor
- Next generation of Intel® technology
- Expandability through a 54mm Express Card slot, Type I/II PC Card slot and a D-Bay port
- Easy to customize with Dell QuickSet™

### **RoadReady™ Quality:** Extended Durability

- Uncompromised quality for years of reliable performance
- Prepared for the unexpected - designed to withstand life's bumps and bruises
- Complete your experience with optional Dell CompleteCare™ Accidental Damage Service<sup>11</sup>

### **Smart Security:** A comprehensive but flexible security suite

- Excellent user security with three factors of authentication
- Help avoid data theft by hard drive encryption
- Designed to defend against viruses and worms
- Simply manage your security needs without busting your budget

### **HyperConnect™:** Wireless-extended connectivity

- Quickly find a network, without opening your notebook with the Dell WiFi Catcher™
- Stay productive on the road with mobile broadband and WiFi access<sup>12</sup>
- Quickly synchronize to your Bluetooth® cell phone or PDA

\*Starting weight of 6.0 lbs for the D820 is with a 15.4" WSXGA+ display, Intel GMA 950 graphics, CD-ROM and 6-cell battery. Weights vary depending on configurations and manufacturing variability.

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# Dell Latitude D820

## FEATURES Dell Latitude D820

### SYSTEM

|                           |   |
|---------------------------|---|
| <b>Processor Type</b>     | Intel® Core™ Solo and Duo processors 667MHz Front Side Bus & 2M Smart L2 Cache  |
| <b>Processor Features</b> | Intel® Core™ Solo processor T1400 (1.86 GHz)<br>Intel® Core™ Duo processor T2300E (1.66GHz) T2400 (1.86GHz) T2500 (2.00GHz) and T2600 (2.16GHz)<br>Intel® Core™ 2 Duo processor T7200 (2.00GHz), T7400 (2.13GHz), T7600 (2.66GHz) |
| <b>Operating systems</b>  | Microsoft® Windows® XP Professional SP2, Microsoft Windows XP Home SP2  |
| <b>Chipset</b>            | 945GM (667MHz front side bus) with Intel onboard graphics or 945PM with NVidia graphics   |
| <b>Memory</b>             | Min: 512MB DDR2 shared <sup>1</sup> 533 or 667MHz<br>Max: 4GB <sup>2</sup> DDR2 shared <sup>1</sup> 533 or 667MHz   |
| <b>Displays</b>           | 15.4" WXGA (1280 X 800 resolution); 15.4" WSXGA+ (1680 X 1050 resolution); 15.4" WUXGA (1920 X 1200 resolution)   |
| <b>External Display</b>   | Supports up to a maximum resolution of WUXGA (1920 x 1200)  |
| <b>Graphics</b>           | Choice of Intel® Graphics Media Accelerator 950 (Up to 224MB shared); 256MB NVIDIA® Quadro NVS 110M TurboCache™ <sup>3</sup> ; or 512MB NVIDIA® Quadro NVS 120M TurboCache™ <sup>3</sup>  |
| <b>Hard drives</b>        | 40, 60, 80, 100 and 120GB <sup>4</sup> primary; 80GB <sup>4</sup> secondary   |
| <b>Keyboard</b>           | 87-Key US; 88-Key Europe; 91-Key Japan; key travel 2.5mm; key spacing 19.05mm   |
| <b>Pointing Device</b>    | Touch Pad - PS/2 compatible, Track Stick - PS/2 compatible  |
| <b>Audio</b>              | High Definition Audio codec. Dual speakers, 8 ohm. Integrated omni-directional microphone.  |
| <b>Dimensions</b>         | H: 35.3mm/1.39" x W: 361mm/14.2" x D: 262.6mm/10.34"  |
| <b>Weight</b>             | Starting at 6.0Lbs/2.73Kgs*   |

### POWER

|                     |   |
|---------------------|---|
| <b>Power Supply</b> | 90 Watt AC adapter with cord wrapping   |
| <b>Batteries</b>    | Primary 6-cell/53 WHr "Smart" Li-Ion battery featuring ExpressCharge™<br>Primary 9-cell/85 WHr "Smart" Li-Ion battery featuring ExpressCharge™<br>Secondary 6-cell/48 WHr "Smart" Li-Polymer battery featuring ExpressCharge™ |

### CONNECTIVITY

|                          |   |
|--------------------------|---|
| <b>Wired</b>             | 56K <sup>5</sup> v.92 Internal Modem; 10/100/1000 Gigabit <sup>6</sup> Ethernet network interface adaptor                                       |
| <b>Mobile Broadband:</b> | Cellular Broadband:<br>Dell Wireless 5500 Mobile Broadband 3G HSDPA (Cingular US)<br>Dell Wireless 5700 Mobile Broadband CDMA EVDO (Verizon US) |
| <b>Wi-Fi:</b>            | Intel® PRO/Wireless 3945A/G (802.11a/g), Dell Wireless 1490 (802.11a/g), Dell Wireless 1390 (802.11g)   |
| <b>Bluetooth:</b>        | Dell Wireless 350 Bluetooth internal wireless card  |

### EXPANDABILITY

|                        |  |
|------------------------|--|
| <b>Express Card</b>    | 54mm Express Card Slot; supports both 54mm and 34mm Express Cards  |
| <b>PC Card</b>         | One Type I or Type II  |
| <b>I/O Ports</b>       | Serial, 1394, docking connector, 4 USB, powered USB (D-Bay), VGA, headphone/speaker out, infrared port, RJ-11, RJ-45, AC power   |
| <b>Docking</b>         | D/Port, D/Dock, D/View Notebook Stand, D/Monitor Stand   |
| <b>Modular Options</b> | 24X CD-ROM, 8X DVD-ROM <sup>7</sup> , 8X DVD+/-RW <sup>8</sup> , 24X CDRW/DVD, Floppy Disk Drive, Secondary 6-cell/48 WHr "Smart" Li-Polymer battery, 2 <sup>nd</sup> 80GB <sup>4</sup> hard drive, or Travellite module |
| <b>USB Memory Keys</b> | 128MB, 256MB and 512MB USB Memory Keys <sup>9</sup> (optional)   |

### SECURITY

|                                   |  |
|-----------------------------------|--|
| <b>Physical Security</b>          | Cable Lock Slots, Media Module and Hard Drive locks  |
| <b>User &amp; System Security</b> | Integrated Smart Card Reader, Trusted Platform Module 1.2 and optional UPEK® finger print reader. Dell Embassy® Trust Suite by Wave Systems security software. |
| <b>Network Security</b>           | 802.11 WiFi Protected Access (WPA), 802.11i (WPA2), Virtual Private Networks (VPN) and 802.1x with EAP modes, CCX V4.0   |

### MANAGEABILITY

|                         |  |
|-------------------------|--|
| <b>Dell OpenManage™</b> | Helps reduce the total cost of ownership by enabling IT departments to manage and support networked systems. OpenManage enables software deployment and migration, hardware configuration and system health, asset management and remote support. For more information visit: <a href="http://www.dell.com/openmanage">www.dell.com/openmanage</a> |
|-------------------------|--|

### ACCESSORIES

|                    |  |
|--------------------|--|
| <b>Accessories</b> | New Latitude carrying cases and backpack, External USB keyboard and mouse, CRT and Flat Panel Monitors |
|--------------------|--|

### SERVICE & SUPPORT

|                              |   |
|------------------------------|---|
| <b>Service &amp; Support</b> | Service options may vary. Options may include NBD On-Site Service <sup>10</sup> and/or Mail-In Service. |
|------------------------------|---|

\*Starting weight of 6.0 lbs for the D820 is with a 15.4" WSXGA+ display, Intel GMA 950 graphics, CD-ROM and a 6-cell battery. Weights vary depending on configurations and manufacturing variability.

1. Up to 224 MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 2. The total amount of usable memory available will be less depending on the actual system configuration. 3. 256MB NVIDIA® Quadro NVS 110M TurboCache™: The total of local and shared system memory used by this graphics card is up to 256MB. Local on-board memory is 64MB on Latitude D620 systems and 128MB on Latitude D820 systems. On the D620 up to 192 MB of system memory may be allocated to support graphics. On the D820 up to 128 MB of systems memory may be allocated to support graphics. The amount of system memory allocated is dependent on system memory size and other factors. 512MB NVIDIA® Quadro NVS 120M TurboCache™: The total of local and shared system memory used by this graphics card is up to 512MB. Local on-board memory is 256MB. Up to 256MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 4. For hard drives, GB means 1 billion bytes; total accessible capacity varies depending on operating environment. 5. Modem download speeds are limited to 53Kbps. Upload speeds are less (about 30Kbps). Speeds can vary by line condition and modem manufacturer. Analog phone line and service required. 6. The term Gigabit Ethernet does not connote an actual operating speed of 1 GB/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 7. DVD-ROM drives may have write-capable hardware that has been disabled via firmware modifications. 8. Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 9. For writeable storage devices, MB means 1 million bytes; total accessible capacity varies depending on operating environment. 10. Service may be provided by third-party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only. 11. CompleteCare service excludes theft, loss, and damage due to fire, flood or other acts of nature, or intentional damage. CompleteCare not available in all states. Customer may be required to return unit to Dell. For complete details, visit [www.dell.com/servicecontracts](http://www.dell.com/servicecontracts). 12. Where wireless access is available. Additional access charges apply in some locations. Dell the Dell logo, Latitude, AccessDirect, ExpressCharge, and TrueMobile are trademarks of Dell Inc. Intel® and Pentium® are registered trademarks of Intel Corporation. Microsoft® and Windows® are registered trademarks of Microsoft Corporation. Other trademarks and trade names may be used in this document to refer to either entities claiming the marks and names of their products. Dell disclaims proprietary interest in the names and marks of others. Copyright 2005 Dell Inc. All rights reserved. Reproduction or distribution in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden.