# Dell™ Latitude™ D820*

## Unyielding Performance Meets Mobility

Dell™ recommends Windows® XP Professional

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 2.73kg[13] 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 CompleteCover™[11] Accidental Damage Service

**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 with WiFi access[12]
- Quickly synchronize to your Bluetooth® mobile phone or PDA

**GET MORE OUT OF NOW.**

Visit **www.dell.com/ap** for more information.

# Dell™ Latitude™ D820

| FEATURES | Dell Latitude D820 |
|---|---|
| **SYSTEM** | |
| Processor Type | Duo processors 667MHz Front Side Bus & 2MB Smart L2 Cache |
| Processor Features | Intel® Core™ Duo processor T2300 (1.66GHz) T2400 (1.83GHz) T2500 (2GHz) and T2600 (2.16GHz) |
| Operating systems | Genuine Windows® XP Professional SP2, genuine Windows XP Home SP2 |
| Chipset | 945GM (667MHz front side bus) with Intel onboard graphics or 945PM with NVidia graphics |
| Memory | Min: 512MB DDR2[2] shared[1] 533 or 667MHz |
| | Max: 4GB[2] DDR2[2] shared[1] 533 or 667MHz |
| Displays | 15.4" WXGA (1280 X 800 resolution); 15.4" WSXGA+ (1680 X 1050 resolution); 15.4" WUXGA (1920 X 1200 resolution) |
| External Display | Supports up to a maximum resolution of WUXGA (1920 x 1200) |
| Graphics | Choice of Intel® Graphics Media Accelerator 950 (Up to 224MB shared); 256MB NVIDIA® Quadro NVS 110M TurboCache™[3]; or 512MB NVIDIA® Quadro NVS 120M TurboCache™[3] |
| Hard drives | 40, 60, 80, 100 & 120GB[4] primary; 80GB[4] secondary |
| Keyboard | 87-Key US; 88-Key Europe; 91-Key Japan; key travel 2.5mm; key spacing 19.05mm |
| Pointing Device | Touch Pad - PS/2 compatible, Track Stick - PS/2 compatible |
| Audio | High Definition Audio codec. Dual speakers, 8 ohm. Integrated omni-directional microphone. |
| Dimensions | H: 35.3mm/1.39" x W: 361mm/14.2" x D: 262.6mm/10.34" |
| Weight | Starting at 2.73 kg[13] |
| **POWER** | |
| Power Supply | 90 Watt AC adapter with cord wrapping |
| Batteries | Primary 6-cell/53 WHr "Smart" Li-Ion battery featuring ExpressCharge™ |
| | Primary 9-cell/85 WHr "Smart" Li-Ion battery featuring ExpressCharge™ |
| | Secondary 6-cell/56 WHr "Smart" Li-Polymer battery featuring ExpressCharge™ |
| **CONNECTIVITY** | |
| Wired | 56K[5] v.92 Internal Modem; 10/100/1000 Gigabit[6] Ethernet network interface adaptor |
| WLAN: | Intel® PRO/Wireless 3945A/G (802.11a/g), Dell Wireless 1490 (802.11a/g), Dell Wireless 1390 (802.11g) |
| PAN: | Dell Wireless 350 Bluetooth internal wireless card |
| **EXPANDABILITY** | |
| Express Card | 54mm Express Card Slot; supports both 54mm and 34mm Express Cards |
| PC Card | One Type I or Type II |
| I/O Ports | Serial, 1394, docking connector, 4 USB, powered USB (D-Bay), VGA, headphone/speaker out, infrared port, RJ-11, RJ-45, AC power |
| Docking | D/Port , D/Dock, D/View Notebook Stand, D/Monitor Stand |
| Modular Options | 24X CD-ROM, 8X DVD[7]-ROM, 8X DVD+/-RW[8], 24X CDRW/DVD, Floppy Disk Drive, Secondary 6-cell/56 WHr "Smart" Li-Polymer battery, 2nd 80GB[4] hard drive, or TravelLite module |
| USB Memory Keys | 128MB, 256MB and 512MB USB Memory Keys[9] (optional) |
| **SECURITY** | |
| Physical Security | Cable Lock Slots, Media Module and Hard Drive locks |
| User & System Security | Integrated Smart Card Reader, Trusted Platform Module 1.2 and optional UPEK® finger print reader. Dell Embassy® Trust Suite by Wave Systems security software. |
| Network Security | 802.11 WiFi Protected Access (WPA), 802.11i (WPA2), Virtual Private Networks (VPN) and 802.1x with EAP modes, CCX v3 |
| **MANAGEABILITY** | |
| Dell OpenManage™ | 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: www.dell.com/openmanage |
| **ACCESSORIES** | |
| Accessories | New Latitude carrying cases and backpack , External USB keyboard and mouse, CRT and Flat Panel Monitors |
| **SERVICE & SUPPORT** | |
| Service & Support | 3-Year Next Business Day On-Site Service[10] |

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. Dual-channel memory requires 2 each of the same capacity memory DIMMs.
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; actual capacity varies with preloaded material and operating environment and will be less.
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. The DVD region code can be changed up to 5 times and will then be locked on the final region code selected.  The region setting applies to commercial DVD movies only and in no way affects use of DVD media for software applications.
8. Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media with +RW/+R drive provides maximum compatibility; R=capability to burn disc once; RW=capability to burn disc multiple times. Special media/disc required, and third party software may also be required for certain applications.
9. For writeable storage devices, MB means 1 million bytes; total accessible capacity varies depending on operating environment.
10. Technician, replacement part or unit (depending on service contract) will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions (on site and/or next business day service not available in some locations) and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned or paid for. Replacements may be refurbished.
11. CompleteCover service is available for personal computers and Axim PDAs. It excludes theft, loss, and damage due to fire or intentional damage. Customer may be required to return unit to Dell. If CompleteCover Guard is selected it covers theft from any locked office, home or vehicle in country of purchase. For complete details refer to CompleteCover service agreement found at www.dell.com/ap/services. This service is only available in selected countries.
12. Where wireless access is available. Additional access charges apply in some locations.
13. Expected starting weight of 2.73kg 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.