

Dell™ Latitude™ D830



Desktop Replacement Performance Business Notebook



The Dell Latitude D830 notebook is our high-performance solution for professionals who require desktop capabilities on the go — especially those needing to run high-end graphics. The D830 enhances the previous-generation Latitude D820 with the latest 64-bit dual-core Intel® processors and support for three different graphics solutions¹, all in one platform with a starting weight of less than six pounds.¹

In addition to graphics card options, the Latitude D830 offers an impressive range of other leading technology choices, including performance hard drives. IT decision-makers will appreciate the optional encrypted[^] or Solid State[^] drives, along with D-family peripheral commonality.

Finally, the Latitude D830 features wide-screen options for maximum viewability and is also optimised for the latest external monitors — helping users make the most of their workday, in or out of the office.

Innovative Design: Advanced options and new levels of customization

- The latest dual-core Intel processors with 64-bit support
- Three choices of graphics solutions, including NVIDIA® Quadro® NVS 140M[^]
- Three choices of 15.4" LCDs, including UltraSharp™ WUXGA & WSXGA+
- Choice of Microsoft Windows Vista or Microsoft® Windows® XP Professional SP2
- Choice of Direct Deploy Services to help simplify image management and customisation
- Energy-efficient systems designed to meet or exceed the worldwide mutually recognised Environmental Protection Agency's (EPA) ENERGY STAR® Standard
- Preliminary starting weight at 5.97 lbs (2.71kgs)¹

RoadReady™: Designed, tested and built for quality

- Full magnesium-alloy construction for years of reliable performance
- New Solid State Drive[^] option is designed to offer superior durability by eliminating mechanical parts
- Strike Zone™ hard drive design delivers 24/7 protection against life's bumps and bruises
- Dell notebooks endure an average of 13,000 hours of rigorous testing

HyperConnect™: Keeps users connected virtually anytime, anywhere³

- Wireless-N, based on 802.11n technology, with up to 5X the speed and 2X the range of traditional Wi-Fi® when used with a Wireless-N router⁴
- Integrated mobile broadband⁵, wireless and Bluetooth® make it easy to stay productive on the road
- Take advantage of Dell's support for the industry's leading mobile broadband carriers

Smart Security: Strategic, comprehensive endpoint solutions

- Keep your files safely encrypted in a personal virtual drive, secured by the TPM security chip
- Optional encrypted hard drive[^] delivers full disk encryption at native speed
- Wave EMBASSY® Trust Suite works with the TPM chip for robust file/folder encryption and much more

[^]May not be available at launch

¹ Starting weight of 5.97lbs (2.71kgs) for the D830 is with a 15.4" WXGA display, Intel GMA X3100 graphics, CD-ROM and a 6-cell battery. Weights vary depending on configurations and manufacturing variability. ² NVIDIA® Quadro NVS 140M: For systems with Microsoft Windows XP, 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. For systems with Microsoft Windows Vista, the total of local and shared system memory available to this graphics solution is up to 1,023MB when 2GB of system memory is installed. Local on-board memory is 256MB. Up to 767MB of system memory may be allocated by Windows Vista to support graphics, depending on system memory size and other factors. ³ Where wireless access is available. Additional access charges apply in some locations. ⁴ Speed claim for comparative purposes only. Actual speed varies with environment, equipment and other factors and will be less, while range may vary due to number of users, interference, transmission barriers (such as walls and building material), and other factors. Intel Wireless-N card: To achieve up to 5x the speed and twice the range of 802.11g, customer must use the Intel Wireless-N card with a 5GHz Wireless-N router; with a 2.4GHz Wireless-N router, speed will be less. Based on Intel testing using Chariot network testing tools in November 2006 on a notebook with an Intel 4965 Wireless-N card. Dell Wireless-N card: Wireless-N speed and range claims based on tests conducted by a third party testing company commissioned by Dell in June 2006 comparing the Dell Wireless 1500 Draft 802.11n and the Intel 3945 802.11a/g internal wireless cards in a Dell XPS M1210 notebook. ⁵ Mobile broadband is subject to regional availability. Actual connectivity is subject to wireless service provider's coverage area and may be affected by equipment, topography, signal strength, environmental considerations, and other factors. Service may vary significantly within buildings. Dell does not guarantee coverage. Additional charges will apply.



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SYSTEM

Processor Type	Dual-Core, 800 MHz FSB with 4.0 MB of level 2 smart cache: Intel® Core™ 2 Duo processor T7700 (2.40GHz), T7500 (2.20GHz), T7300 (2.00GHz) Dual-Core, 800 MHz FSB with 2.0 MB of level 2 smart cache: Intel® Core™ 2 Duo processor T7100 (1.80GHz)
Operating systems	Genuine Microsoft® Windows Vista™ Ultimate, Genuine Microsoft® Windows Vista™ Business, Genuine Microsoft® Windows Vista™ Home Basic Genuine Microsoft® Windows® XP Professional, Genuine Microsoft® Windows® XP Home Edition, N-Series
Chipset	Intel® 965GM (800MHz front side bus) with Intel® onboard graphics or Intel® 965PM with NVIDIA® graphics ⁸
Memory	512MB-4GB ⁶ shared ⁷ DDR 2 667MHz Memory
Display	15.4" WXGA (220 nits); 15.4" WSXGA+ UltraSharp (200 nits); 15.4" WUXGA UltraSharp (200 nits)
External Display	Supports up to a maximum resolution of WUXGA (1920 x 1200)
Graphics	Choice of integrated Mobile Intel® GMA X3100; NVIDIA® Quadro® NVS 135M ⁸ or NVIDIA® Quadro® NVS 140M ⁸ graphics cards
Hard Drives	60, 80, 100, 120 and 160GB ¹⁰
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"
Weight¹¹	Starting at 5.97lbs/2.71Kgs with 15.4" WXGA LCD, Intel® GMA X3100 graphics, CD-ROM and 6-cell battery

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/48 WHr "Smart" Li-Polymer battery featuring ExpressCharge

CONNECTIVITY

Wired	56K ¹² v.92 Internal Modem; 10/100/1000 Gigabit ¹³ Ethernet network interface adaptor
Mobile Broadband¹⁷	Dell Wireless 5520 HSDPA 3.6
Wi-Fi	Intel® PRO/Wireless 4965 WiFi® 802.11a/g/Draft n, Dell Wireless 3945 WiFi® 802.11a/g, Dell Wireless 1390 802.11g, Dell Wireless 1490 802.11a/g, Dell Wireless 1505 802.11a/g/Draft n
Bluetooth	Dell Wireless 360 Bluetooth® Module; Bluetooth 2.0 (upgradable to 2.1 + EDR)

EXPANDABILITY

Expansion Card Slot	One Type I or Type II PC Card Slot; 54mm Express Card Slot supports both 54mm and 34mm Express Cards
I/O Ports	S-Video, Serial, 1394, VGA, headphone/speaker out, 3 USB, powered USB (D/Bay), RJ11, RJ45, AC power, docking out, 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-ROM ¹⁴ , 8XDVD+/-RW ¹⁵ , 24X CDRW/DVD, No Optical, Floppy Disk Drive, Secondary 6-cell/48 WHr, "Smart" Li-Polymer battery, 2nd 80GB ¹⁰ hard drive, or TravelLite module

SECURITY

Physical Security	Steel-reinforced 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 V4.0

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
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SERVICE & SUPPORT

Service & Support	1 - 5 years Next Business Day On-Site Support, Custom Factory Integration, Dell Business Support, CompleteCare™ Accidental Damage and Theft Service, PC Installation Services, Dell Training, Asset Recovery Services
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6 Intel processor-based notebooks configured with 4GB of memory or more: The total amount of available memory will be less than 4GB. The amount less depends on the actual system configuration. 7 For systems using Windows XP, up to 256MB of system memory may be allocated to support integrated graphics, depending on system memory size and other factors, while for systems using Windows Vista, up to 358 MB of system memory may be allocated to support integrated graphics, depending on memory size and other factors. 8 NVIDIA® Quadro NVS 135M: For systems using Windows XP, the total of local and shared system memory used by this graphics card is up to 256MB. Local on-board memory is 128MB. Up to 128 MB of system memory may be allocated to support graphics, depending on system memory size and other factors. For systems with Windows Vista and 2GB or less of system memory, the total of local and shared system memory used by this graphics card is up to 895MB. Local on-board memory is 128MB. Up to 767MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 9 NVIDIA® Quadro NVS 140M: For systems using Windows XP, 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 256 MB of system memory may be allocated to support graphics, depending on system memory size and other factors. For systems with Windows Vista and 2GB or less of system memory, the total of local and shared system memory used by this graphics card is up to 1,023MB. Local on-board memory is 256MB. Up to 767MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 10 For hard drives, GB means 1 billion bytes; actual capacity varies with preloaded material and operating environment and will be less. With Dell Factory Image Restore installed, Windows Vista users will have 10GB of their hard drive capacity set aside for a recovery image. 11 Starting weight of 5.97lbs (2.71 kgs) for the D830 is with a 15.4" WXGA display, Intel GMA X3100 graphics, CD-ROM and a 6-cell battery. Weights vary depending on configurations and manufacturing variability. 12 Modem download speeds are limited to 53Kpps. Upload speeds are less (about 30Kpps). Speeds can vary by line condition and modem manufacturer. Analog phone line and service required. 13 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. 14 DVD-ROM drives may have write-capable hardware that has been disabled via firmware modifications. 15 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 16 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. 17 Mobile broadband is subject to regional availability. Actual connectivity is subject to wireless service provider's coverage area and may be affected by equipment, topography, signal strength, environmental considerations, and other factors. Service may vary significantly within buildings. Dell does not guarantee coverage. Dell, the Dell logo, Latitude, RoadReady, HyperConnect, Strike Zone, ExpressCharge and OpenManage are trademarks of Dell Inc. Intel is a registered trademark and Core is a trademark of Intel Corporation. Microsoft and Windows are registered trademarks and Windows Vista is a trademark of Microsoft Corporation. NVIDIA and Quadro are registered trademarks of NVIDIA Corporation. ENERGY STAR is a registered trademark of the US Environmental Protection Agency. EMBASSY is a registered trademark of Wave Systems Corp. Wi-Fi is registered trademark of the WiFi Alliance. Bluetooth is a registered trademark of Bluetooth SIG, Inc. UPEK is a registered trademark of UPEK, Inc. 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 2007 Dell Inc. All rights reserved. Reproduction or distribution in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden. 06DCPG167_0407