Dell™ Latitude™ D830*

Prestigious performance, intense collaboration

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 solutions, all in one platform with a starting weight of 2.71kgs.[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 work day, in or out of the office.

Innovative Design: Advanced options and new levels of customisation

- The latest dual-core Intel processors with 64-bit support
- Three choices of graphics solutions, including NVIDIA® Quadro® NVS 140M[2]
- 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 2.71kgs (5.97 lbs)[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 13,000 hours of rigorous testing (on average)

HyperConnect™: Keeps users connected virtually anytime, anywhere[3]

- 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 router[4]
- Integrated wireless and Bluetooth® 2.1 make it easy to stay productive on the road
- Take advantage of Dell's support for the industry's leading 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
* Latitude D830 available for shipment only from May 21st, 2007. Date is an estimate only and subject to delays.

Dell™ Latitude™ D830

SYSTEM

Processor Features	Dual-Core, 800 MHz FSB with 4.0 MB of level 2 smart cache: Intel® Core™ 2 Duo processor T7800 (2.6GHz), 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 T7250 (2.00GHz), T7100 (1.80GHz)
Operating systems	Genuine Microsoft® Windows Vista™ Ultimate, Genuine Microsoft® Windows Vista™ Business, Genuine Microsoft® Windows Vista™ Home Basic[15]
	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
Memory	512MB-4GB[5] shared[6] 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 (Up to 256MB shared[6]); NVIDIA® Quadro® NVS 135M[7] or NVIDIA® Quadro® NVS 140M[2] graphics cards
Hard Drives	60, 80, 100, 120 and 160GB[8]
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[1]	Starting at 2.71Kgs (5.97Lbs) 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[9] v.92 Internal Modem; 10/100/1000 Gigabit Ethernet[10] network interface adaptor
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® 2.1 + 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[11], 8XDVD+/-RW[12], 24X CDRW/DVD, No Optical, Blu-Ray, 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

SERVICE & SUPPORT

Service & Support	Services may vary. Options may include Gold Technical Support[13], CompleteCover™[14] Accidental Damage Service

1 Starting weight of 2.71kgs (5.97lbs) 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 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.
6 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.
7 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.
8 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.
9 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.
10 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.
11 The DVD region code can be changed up to 5 times and will then be locked so that it plays only DVD movies from the final region code selected.
12 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.
13 Gold Technical Support is available for Latitude, OptiPlex and Dell Precision only. In the event of a system or part replacement which may require access to an optical device and the customer has opted out of an optical device, Dell reserves the right to decline service until the customer grants Dell access to an optical device to enable support and serviceability.
14 CompleteCover service is available for personal computers, Axim PDAs, Dell branded projectors and LCD TV. CompleteCover excludes theft, loss, and damage due to fire, intentional damage, acts of God or natural disasters, animals, pets or pests. Customer may be required to return unit to Dell. For complete details refer to CompleteCover service agreement found at www.dell.com/ap/services. This service is only available in selected countries
15 Some Genuine Windows Vista features - like the new Aero user interface - are only available in premium editions of Genuine Windows Vista and require advanced or additional hardware (e.g. monitors). Check http://www.dell.com.sg/vista