



## Budget-conscious features and performance

The Dell Latitude D531 notebook is designed to help businesses stay up-to-date with technology without sacrificing the bottom line. This mainstream value notebook compliments the D520 with new processor options, improved security and enterprise-class features. At the same time, it offers the longer lifecycles, image stability and peripheral commonality that growing businesses have come to expect from the Latitude D-family.

Featuring dual-core AMD™ processor options, the Latitude D531 offers plenty of performance for the needs of most mobile business users. As the first in our Latitude family to offer TrueLife™ LCD technology, the D531 makes productivity a snap in nearly any environment — especially with the new widescreen options. Its full magnesium-alloy construction offers increased durability. And behind the scenes, the D531 empowers IT to strengthen endpoint security with built-in Trusted Platform Module (TPM) 1.2 and Wave EMBASSY® Trust Suite, plus an optional encrypted hard drive<sup>^</sup>.

### Innovative Design: Advanced options and new levels of customisation

- Dual-core AMD Turion™ 64 mobile technology and AMD Sempron™ processors
- 7200 RPM and encrypted hard-drive<sup>^</sup> options
- Choice of Microsoft® Windows Vista™ or Microsoft® Windows® XP Professional SP2
- Widescreen display options, including the first-ever Latitude offering of TrueLife technology
- 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

### RoadReady™: Designed, tested and built for quality

- Designed with a reinforced magnesium-alloy chassis and LCD back for rigidity
- Dell notebooks endure an average of 13,000 hours of rigorous testing
- Optional 9-cell battery for extended battery life

### HyperConnect™: Keeps users connected virtually anytime, anywhere<sup>1</sup>

- 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<sup>2</sup>
- Integrated Bluetooth® makes it easy to sync your cell phone or PDA with a PC
- External mobile broadband access enabled via Express PC card

### Smart Security: Strategic, comprehensive endpoint solutions

- Optional encrypted hard-drive<sup>^</sup> delivers full disk encryption without compromising performance
- TPM security chip enables a personal virtual drive for all of your encrypted files
- Wave EMBASSY® Trust Suite works with the TPM for robust file/folder encryption and much more

<sup>^</sup> May not be available at launch

<sup>1</sup> Where wireless access is available. Additional access charges apply in some locations. Range may vary due to number of users, interference, transmission barriers (such as walls and building material), and other factors. <sup>2</sup> Tests were 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. 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.

# Dell™ Latitude™ D531

## SYSTEM

<b>Processor Type</b>	DAMD™ Sempron™ (with 256KB L2 cache) and Turion™ 64 X2 (with 1MB L2 cache)
<b>Processor Features</b>	AMD Sempron Processor 3500+ (1.80GHz), 3600+ (2.0 GHz), AMD Turion 64 x2 Dual Core TL50 (1.6GHz), TL56 (1.8GHz) and TL60 (2.0GHz)
<b>Operating systems</b>	Microsoft® Windows Vista™ Ultimate, Microsoft® Windows Vista™ Business, Microsoft® Windows Vista™ Home Basic, Microsoft® Windows® XP Professional SP2, Microsoft® Windows® XP Home SP2, FreeDOS
<b>Chipset</b>	AMD™ M690T Chipset
<b>Memory</b>	Min: 512MB DDR2 shared <sup>3</sup> 667MHz; Max: 4GB4 DDR2 shared <sup>3</sup> 667MHz
<b>Display</b>	Wide-aspect 14.1" WXGA (1280x800 resolution) 220 nits (brightness) or 15.4" WXGA (1280x800) 220 nits, or 15.4" WXGA+ TrueLife™ (1440x900) 250 nits
<b>External Display</b>	Supports up to a maximum resolution of WUXGA (1920 x 1200)
<b>Graphics</b>	Integrated ATI Radeon™ X1270 graphics solution <sup>3</sup>
<b>Hard Drives</b>	60, 80, 120GB <sup>5</sup>
<b>Keyboard</b>	87-Key US, Canada, China; 88-Key Europe; 89-Key Brazil; 91-Key Japan Key travel 2.5mm; Key spacing 19.05mm; Sealed keyboard design
<b>Pointing Device</b>	Touch pad - PS/2 compatible
<b>Audio</b>	High Definition Audio codec speaker, 1.0W (8 ohms), integrated omni-directional microphone
<b>Dimensions</b>	35 x 361 x 263mm (1.4" x 14.2" x 10.3" )
<b>Weight<sup>6</sup></b>	Starting at 5.1 lbs (2.3kg) with 14.1" WXGA, Travel Module and 4-cell battery. Starting at 5.7 lbs (2.6kg) with 14.1" WXGA, CD-ROM and 6-cell battery
<b>Industrial Design</b>	Magnesium-alloy base and LCD back, Laminar ID

## POWER

<b>Power Supply</b>	65 Watt or 90 Watt AC adapter with cord wrapping; 65 Dell Slim Auto/Air/AC Adapter (Battery optimized mode only)
<b>Batteries</b>	Primary 4-cell/32 WHr "Smart" Lithium Ion battery featuring ExpressCharge™; Primary 6-cell/56 WHr "Smart" Lithium Ion battery featuring ExpressCharge; Primary 9-cell/85 WHr "Smart" Lithium Ion battery, supports ExpressCharge with 90 watt AC adapter; Secondary 6-cell/48WHr "Smart" Lithium Ion battery featuring ExpressCharge

## CONNECTIVITY

<b>Wired</b>	56K7 v.92 Internal Modem; 10/100/1000 Gigabit <sup>8</sup> Ethernet network interface adapter
<b>Wi-Fi</b>	Dell Wireless 1390 (802.11g), Dell Wireless 1490 (802.11a/g), Dell Wireless 1505 (802.11a/g/n)
<b>Bluetooth</b>	Dell Wireless 360 Bluetooth® internal wireless card (upgradeable to Bluetooth® 2.1 EDR)

## EXPANDABILITY

<b>PC Card</b>	One Type I or Type II; Supports 34mm ExpressCard via USB interface through PCMCIA adapter
<b>I/O Ports</b>	Serial, IEEE-1394, docking connector, 4 USB, VGA, S-Video, headphone/speaker out, 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-ROM9, 24X CDRW/DVD, 8X DVD+/-RW10 Floppy Disk Drive, Secondary 6-cell battery, 80GB4 Hard Drive or Travel Lite Module

## SECURITY

<b>Physical Security</b>	Steel-reinforced Cable Lock Slot, Media Module and Hard Drive locks
<b>User &amp; System Security</b>	Trusted Platform Module (TPM) 1.2 and Wave EMBASSY® Trust Suite by Wave Systems security software
<b>Network Security</b>	802.11 WiF® Protected Access (WPA), 802.11i (WPA2), 802.1x with EAP modes, Single Sign On and compatible CCX 4.0

## MANAGEABILITY

<b>Dell Client Manager</b>	Helps make our workstations and desktops some of the easiest and most cost-effective client systems you can own. DCM provides decentralised, remote control and automates common tasks associated with owning client systems. The results can be powerful: fewer deskside visits and repetitive tasks, greater visibility and control of client inventory and usage, and improved consistency and compliance in the way client systems are configured.
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## ACCESSORIES

<b>Accessories</b>	Latitude carrying cases and backpack, external USB keyboard and mouse, CRT and flat panel monitors
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## SERVICE & SUPPORT

<b>Service &amp; Support</b>	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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3 ATI Radeon X1270 integrated graphics is an integrated graphics solution that uses up to 384MB of system memory for systems with 1GB of memory, and up to 896MB of system memory for systems with 2GB of system memory, depending on system memory size and other factors. System memory available to the OS will be reduced by the amount of dedicated and shared system memory utilized by this graphics solution. 4 The total amount of available memory will be less. The amount less depends on the actual system configuration. To fully utilize 4GB or more of memory requires a 64-bit operating system. 5 For hard drives, GB means 1 billion bytes and TB equals 1 trillion 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. 6 The Latitude D531 starting weight at 5.1lbs (2.3 kg) with 14.1" WXGA, Travel Module and 4-cell battery. Starting at 5.7lbs (2.6 kg) with 14.1" WXGA, CD-ROM and 6-cell battery. 7 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. 8 The term Gigabit Ethernet does not connote an actual operating speed of 1GB/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 9 DVD-ROM drives may have write-capable hardware that has been disabled via firmware modifications. 10 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 11 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. Dell, the Dell logo, ExpressCharge, RoadReady, HyperConnect, and Latitude are trademarks of Dell Inc. AMD, Sempron, ATI Radeon and Turion are all trademarks of Advanced Micro Devices. Microsoft and Windows are registered trademarks and Windows Vista is a trademark of Microsoft Corporation. EMBASSY is a registered trademark of Wave Systems Corp. Bluetooth is a registered trademark of Bluetooth SIG, Inc. NVIDIA and Quadro are registered trademarks of NVIDIA Corporation. ENERGY STAR is a registered trademark of the US Environmental Protection Agency. Wi-Fi is registered trademark of the WiFi Alliance. Other trademarks and trade names may be used in this document to refer to either entities claiming the marks. 06DCPG169\_0407