



# Dell™ Latitude™ XFR D630

## FULLY-RUGGED NOTEBOOK

### XTREME FULLY RUGGED COMPUTING WHEN IT COUNTS.



The Dell™ Latitude™ XFR D630 fully-rugged notebook delivers superior performance, enhanced user functionality, smart security and the ruggedness you demand at a low lifecycle cost.

#### **COMMON IT PLATFORM. UNCOMMON STRENGTH.**

The Dell Latitude™ XFR D630 notebook was built for customers who demand fully-rugged, high-performance computing in challenging environments.

- Military Standard Strength based on Armored Protection System™
- Next-Generation Performance with Intel® Core™ 2 Duo (Dual Core) Processors
- Fully-Rugged Industry's First 14.1" Wide-Aspect LCD with DirectVue™ Technology
- Low Cost of Ownership...Great Investment Value



# Dell™ Latitude™ XFR D630 FULLY RUGGED NOTEBOOK

SYSTEM	
<b>CPU/Performance</b>	Intel® Core™2 Duo (Dual Core) Processors (up to 2.2 GHz) 800 MHz Front Side Bus and power managed up to 4 MB smart L2 Cache
<b>Superior ergonomics and usability</b>	IT Platform Compatibility – a fully-rugged notebook that is image, drive and firmware compatible with Dell™ Latitude™ D Family and ATG™ systems. Recessed, Dual integrated, sealed/protected Task Lights (red) for keyboard illumination
<b>System memory¹</b>	Supports 512 MB to 4056 MB² of 667 MHz / Advanced DDR2 Dual Channel Memory
<b>Rugged storage capabilities</b>	HDD Shock Isolation and Protection Cage based on proprietary design / User Accessible HDD Cage supports both “lock down” and “expedited access” / Durable HDD standard is 1.8” 80GB², shock-resistant, isolated and protected HDD / Optional 32GB-64GB² Solid State Drive
<b>Video and graphics characteristics</b>	Standard Intel®GMA X3100 integrated graphics – up to 256MB² Shared video memory¹ (358MB with Vista) / Optimized performance supports Windows® Vista Software and Aero / graphics feature
<b>Display and readability</b>	Rugged, protected 14.1” Wide-Aspect WXGA DirectVue™ display / DirectVue™ display enhancement supports outdoor readability with advanced optics technology / 14.1” WXGA resolution (1280 x 800) Shock isolated, impact protected and sealed from moisture and dust / Measurable wide-aspect benefits - increased viewing areas, less scrolling, multi-page and multi-window viewing / Hardened LCD cover / Option Touch Screen Capability
<b>Audio</b>	High Definition Audio Codec Mono speaker - 2.0W / Integrated omni-directional microphone, noise cancelling software
<b>Swappable modular media bay options</b>	24X CD-ROM, 8X DVD-ROM, 24X CDRW/DVD, 8X DVD+/-RW, Floppy Disk Drive / 6-cell “Smart” Li-Polymer battery, Second 80 GB Non-Rugged Hard Disk Drive or Travellite™ Module
<b>Expansion slots</b>	Secured and Protected within sealed door construction / 1 x PC card slot Type I/II with ExpressCard 34 mm support

ENVIRONMENTAL CHARACTERISTICS AND TESTING	
<b>Temperature</b>	Engineered and independently tested to Military Standards (MIL-STD-810F) for operation in extreme, challenging conditions. Select tests include: MIL-STD-810F Methods 501.4 and 502.4 / Operating: -20° to 140° F (-29° to 60° C) / Storage: -60° to 160° F (-51° to 71° C)
<b>Transit Shock/Drop</b>	MIL-STD-810F Method 516.5 / 3' (36") drop to non-yielding, all surfaces, edges and corners (26 drops in total)
<b>Crash Shock</b>	MIL-STD-810F Method 516.5 / 40g, 11ms and 75g, 6 ms, Terminal Sawtooth
<b>Vibration</b>	MIL-STD 810F Method 514.5, Categories 20 & 24
<b>Moisture/Water/Rain</b>	MIL-STD-810F Method 506.4 / 4in./hr 40 psi 6 axes / IP54 Enclosure
<b>Humidity</b>	MIL-STD 810F Method 507.4 / 0% to 95% noncondensing
<b>Blowing Dust</b>	MIL-STD-810F Method 510.4 / Particle Size <149 Qm, 10 ± 7 g/m3 up to 8.7 m/s Wind Speed
<b>Hazardous Location Certification</b>	UL 1604 Class 1, Division 2 (Zones A, B, C, D)
<b>Altitude</b>	MIL-STD-810F Method 500.4 / Operating 15,000 ft.
<b>Salt Fog</b>	MIL-STD-810F Method 509.4
<b>Ingress Protection (IP)</b>	EN60529 IP-54 Testing, with I/O doors in place

INTEGRATED WIRELINE LAN CAPABILITIES	
Wireline connections secured behind sealed and gasketed security doors	
Integrated Broadcom 10/100/1000 LAN Network Interface Adaptor (NIC)	
Internal 56 Kbps V.92 Fax/Modem	

INTEGRATED WIRELESS LAN CAPABILITIES	
Integrated and Protected Wireless LAN Capabilities – HyperConnect™ Extended Connectivity provides excellent performance	
Wi-Fi Catcher Network Locator switch can be set to “wireless off” or scan	
Intel® Pro/Wireless 3945 WiFi 802.11 a/g, 4965 802.11 a/g/n	
Dell Wireless 1395 802.11 a/g, 1490 802.11 a/g or 1505 802.11 a/g/n	
2.4, 5.0 Ghz Dualband Diversity WiFi implementation for maximum RF performance	

INTEGRATED WIRELESS WAN CAPABILITIES	
Integrated and Protected Wireless WAN Capabilities – Dell's HyperConnect™ Extended Connectivity provides excellent performance	
Dell Wireless Mobile Broadband EVDO (Rev A) WAN option (Verizon or Sprint – US)⁴	
“Zero” wireless option eliminates all internal wireless options⁴	

INTEGRATED WIRELESS PAN CAPABILITIES	
Optional integrated Bluetooth® PAN device and antenna version 2.0 (2.1 upgrade) and EDR technology	

WARRANTY	
3-Year Limited Warranty³	

PHYSICAL CHARACTERISTICS	
Dimensions: 2.6”(H) x 13.9”(W) x 10.2”(D)	Weight: Starting at 8.98 lbs⁵ (without optical)

1. Significant system memory may be allocated to support graphics, depending on system memory size and other factors. 2. 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. 3. For a copy of limited warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or visit www.dell.com/warranty. 4. Subject to wireless provider's broadband subscription and coverage area, additional charges apply. 5. Weights vary depending on configurations and manufacturing variability. Intel, the Intel Logo, and Core are trademarks or registered trademarks of Intel Corporation. Microsoft, Windows and Vista are trademarks or registered trademarks of Microsoft Corporation. Augmentix, Armored Protection System (APS), QuadCool, and DirectVue are registered trademarks or trademarks of Augmentix 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. February 2008. A2G.

DURABILITY FEATURES	
Armored Protection System™	
• Advanced Construction Materials	
• Unique Engineering Designs	
• Independent MIL-STD Testing	
Dense Die Cast Magnesium Housing and Internal Structural Framing Support System	
Shock Isolated and Mounted Hard Disk Drive Cage, LCD, Core Electronic Elements	
Patent-Pending QuadCool™ Thermal Management System	
Keyboard, TouchPad, Trackstick and Fingerprint face all sealed and protected from moisture and dust	
Unique I/O and Expansion Door Design provides rugged, reliable sealing for core elements	
Paint, sealing and texturing implementation on all exterior surfaces	
Rugged magnesium handle anchors securely to system	

I/O INTERFACES	
Unique door/sealing design	1 x 1394 FireWire Port
1 x Serial Port (9-pin)	1 x RJ 11 Modem Port
4 x USB 2.0	1 x RJ45 NIC port
1 x Headphone/Speaker – Mini-jack stereo	1xExternalVideoout(VGA)–MiniD-sub15-pin
Gasketed and protected 80-pin Docking Connector	1 x Microphone/Line in – Mini-jack AC/DC Power Connector

POWER ELEMENTS AND MANAGEMENT	
All Battery options are secured by a dense gasketed magnesium door	
Standard Battery is 6-Cell 56W/Hr “Smart” Li-Ion battery featuring ExpressCharge™	
Standard AC Power Supply: AC 100V-240V, auto-sensing and switching	

SOFTWARE	
Microsoft® Windows® XP Professional SP2	Dell Quickset™ Software suite
Microsoft® Windows® Vista™ (optional)	

ENHANCED SECURITY	
Range of Comprehensive, User Configurable, “Smart” Security Capabilities covering physical, user/data authentication and network security	
Integrated Smart Card Reader can be used with PKI environment	
Trusted Mobile Platform (TPM) V1.2 Security Chip	
UPEK® Fingerprint reader – sealed and protected	
Multi-Factor authentication options: Software, Smart Card and UPEK® fingerprint reader and multi-level passwords	
Wave Embassy® Trust Suite by Wave Systems - security software	

ACCESSORIES	
Rugged Vehicle Docking System w/o RF Connectors (available through Dell Software and Peripherals)	
Rugged Vehicle Docking System with RF Coax Pass Thru Connectors (available through Dell Software and Peripherals)	
Desk Dock Adaptor (required for D-family docking)	
Vehicle Adapters – 12V - 24V	
Carrying Cases, Straps	
Standard AC Adapter or Auto/Air Adapter	