Dell™ Latitude™ XFR D630
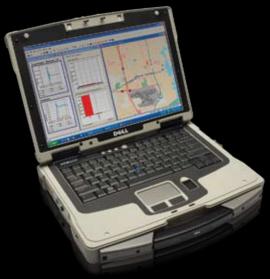## FULLY-RUGGED NOTEBOOK

STEP 1:
TURN IT ON.
STEP 2:
BRING IT ON.

RUGGED AND READY

Dell has changed the way people look at the rugged industry once again with the introduction of the Dell™ Latitude™ XFR D630 Fully-Rugged Notebook. With Dell, you get state-of-the-art technologies, the highest performance, the smartest security and the most robust functionality.

COMMON IT PLATFORM. UNCOMMON STRENGTH.

Dell™ Latitude™ XFR Notebooks maintain the same BIOS, Firmware, Drivers, Image, and Utilities as our standard D-family Latitude platforms. Customers adopting common D-family platforms now have a 100% compatible, fully-rugged system to address their most challenging applications.

In addition, IT managers have a single support model which will help reduce complexity and improve efficiency while supporting deployed systems.

RUGGED DESIGN.

The XFR is the result of superior design expertise and a proven Armored Protection System™ (APS), which is comprised of three powerful elements – Advanced Construction Materials, Unique Engineering Designs and Independent MIL-STD-810F Testing.

ARMORED PROTECTION SYSTEM (APS)

CONSTRUCTION MATERIALS
- Dense Magnesium Alloy Housing
- Thermo-Elastomer Composite Overmold
- Reinforced Fiberglass Injected Polycarbonate (FIP)
- Channeled Die Cast Compression Gaskets (CDCG)
- Optically-Clear Seals
- Custom Paint Sealant Mixture

UNIQUE ENGINEERING DESIGNS
- Robust Exoskeleton Structure
- Patent-pending QuadCool™ Thermal Management System
- Reinforced LCD Assembly
- Overmold Protection System
- Sealed Keyboard and Touchpad Assembly
- Reinforced and Thermally-Enhanced HDD Access Bay
- Secure Battery Protection System
- Dense Magnesium Hinged and Friction Fit Doors

MIL–STD–810F TESTING
- Published specifications, independently tested
- Operating temperature — -20˚F to 140˚ F (-29˚C to 60˚C)
- Moisture ingress — 4 in/hr rain, 40 psi (IP54)
- Dust, Dirt ingress — 1.5 m/s – 8.7 m/s wind (IP54)
- Drop/Shock — 36" drop, 26X non-yielding surface
- Vibration — random vibration simulation, 1000 miles transportation
- Humidity — 0 to 95% non-condensing
- Altitude — 15,000 ft operating
- Crash Shock — 40g, 11ms; 75g, 6ms
- Salt Fog

BIGGER. BRIGHTER. SHARPER.

Take advantage of the 14.1" wide-aspect LCD with DirectVue™ technology - one of the largest in the rugged industry - rated as brighter, sharper and more vivid for excellent readability. The Latitude XFR DirectVue™ technology offers optimal sunlight readability because of its increased brightness, reduced reflectivity, and proprietary optical enhancements. An optional Touch screen is available that supports reliable finger (gloved) and passive stylus inputs.

IN SHORT, THE XFR TAKES WHATEVER YOU THROW AT IT OR THROW IT AT.

Best outdoor-readable screen of any notebook currently on the market.
Geoff Walker, Pen Computing
May 18, 2007 edition

NEXT-GENERATION PERFORMANCE.

The Dell™ Latitude™ XFR D630 delivers a superior computing platform that provides the most technologically-advanced features available in a rugged mobile device.

- The latest Intel® Core™ 2 Duo, Dual Core processors
- Integrated graphics with Intel's GMA X3100
- Hyperconnect™ Wireless technology – providing simple, reliable and secure productivity for mobile personnel
- Advanced wireless WAN, Broadband, and Bluetooth® technologies
- The Smart Security Suite – multi-level security providing maximum protection of the physical system and its data and prevention of unauthorized access
- Superior battery performance for extended field use and a quick-charge battery recharge system

LOWER COST OF OWNERSHIP

Because the XFR will continue to operate through drops, shocks, spills, extreme temperatures, vibrations and other challenging conditions found in the harshest environments, you'll be able to experience more uptime and less maintenance with this fully-rugged system. And deployment, support, and training costs will be lower because the XFR shares the same architecture as Dell Latitude D-family notebooks.

CHOOSE YOUR RUGGED LOOK

The XFR D630 is rugged and striking from the inside out and is available with or without a touch screen and in two standard exterior color options...Desert Tan or Black & Charcoal. Choose your rugged look to blend in or stand out.

Desert Tan

Black

WORLD-CLASS QUALITY, RELIABILITY, AND SUPPORT

You can expect superior, world-class quality and reliability from your XFR based on the combination of award-winning core system elements and quality programs from Dell with the proven rugged design and production expertise from Dell. The XFR from Dell has a global technical support and warranty service program that provides:

- Exceptional levels of service and turnaround
- Consistency of parts over the product lifecycle

THROUGH RAIN, DUST OR HEAT.
AND THAT'S JUST FOR STARTERS.

TESTING AND CERTIFICATION SUMMARY

Shock/Drop
• 36", 26 Drops on each face onto non-yielding surface
• MIL-STD-810F, Modified Method 516.5, Procedure IV

Operating/Non-Operating Temperature and Thermal Shock
• -20˚F to 140˚F (-29˚ to 60˚C) Operating
• MIL-STD-810F, Methods 501.4 and 502.4, Procedures I + II and Method 503.4

Rain/Moisture Ingress
• 4 in/hr, 40 psi all 6 axes
• MIL-STD-810F, Modified Method 506.4, Procedure II
• Test done with I/O doors in place
• IP Rating of IP54-water and dust ingress

Salt Fog Protection
• Cycle 48-hour exposure cycles
• MIL-STD-810F, Modified Method 509.4

Dust Ingress
• MIL-STD-810F, Method 510.4, Procedure I (Blowing Dust)
• IP Rating of IP54 - water and dust ingress

Crash Shock
• 40g, 11 m/s & 75g, 6ms terminal saw-tooth
• MIL-STD-810F, Method 516.5

Hazardous Material Certifications
• XFR operated under intended use is incapable of causing ignition of specific flammable gas or vapor-air mix
• Optional UL 1604 Class 1, Division II for Zones A, B, C, D

Humidity: MIL-STD-810F Method 507.4
• 0% to 95% non-condensing

Altitude: MIL-STD-810F Method 500.4
• Operating 15,000 ft.

Vibration: MIL-STD-810F Method 514.5C-17
• Categories 20 & 24

TECHNICAL SPECIFICATIONS

CPU/PERFORMANCE
• Intel® Core™ 2 Duo (Dual Core) Processors (up to 2.2 GHz)
• 800MHz Front Side Bus, up to 4MB L2 Smart Cache

SYSTEM MEMORY
• Supports 512MB to 4056MB of 667MHz
• Advanced DDR2 Dual Channel Memory

RUGGED STORAGE CAPABILITIES
• HDD Shock Isolation and Protection Cage based on proprietary design
• User Accessible HDD Cage supports "lock down" and "expedited access"
• 1.8" 80GB[3] shock-resistant, isolated and protected HDD; 32GB-64GB Solid State Storage Options

VIDEO AND GRAPHICS CHARACTERISTICS
• Intel® GMA X3100 integrated graphics[1]
• Optimized performance supports Windows® Vista® Software and Aero graphics feature

DISPLAY AND READABILITY
• Rugged, protected 14.1" Wide-Aspect WXGA DirectVue™ display
• DirectVue™ display enhancements and augmentations support superior outdoor readability.
• 14.1" WXGA resolution (1280 x 800)
• Shock isolated, impact protected and sealed from moisture and dust
• Optional integrated Touch Screen option.

INTEGRATED MULTI-MODAL WIRELESS
• State-of-the-Art Broadband[4], Wireless LAN, Bluetooth and GPS Capabilities

MODULAR MEDIA BAY OPTIONS
• 24X CD-ROM, 8X DVD-ROM, 24X CDRW/DVD, 8X DVD+/-RW, Floppy Disk Drive
• 6-cell "Smart" Li-Polymer battery, Second 80GB[2] Non-Rugged Hard Disk Drive or TravelLite™ Module

EXPANSION SLOTS
• Secured and Protected within rugged sealed door construction
• 1 x PC card slot Type I/II with ExpressCard 34 mm support

POWER ELEMENTS AND MANAGEMENT
• All Battery options are secured by a dense gasketed magnesium door to help ensure maximum protection
• Primary 6-cell / 56 WHr "Smart" Lithium Ion battery featuring ExpressCharge™

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

PHYSICAL CHARACTERISTICS
• Dimensions: 2.6" (H) x 13.9" (W) x 10.2" (D)
• Weight: Starting at 8.98 lbs.[5]

WARRANTY & SUPPORT
• 3-Year Standard Limited Warranty[3], 24x7/365 Technical Support