DELL LATITUDE E6420 XFR
Real-world rugged

The third-generation fully rugged Dell™ Latitude™ — the Latitude E6420 XFR — was designed and engineered to meet the needs of even our most demanding customers.

Real-world rugged
The Latitude E6420 XFR with BallisticArmor™ protection has been independently tested to MIL-STD-810G, IP-65, MIL-STD-461F, and UL1604 standards.

- **Rugged chassis materials:** The Latitude E6420 XFR has been designed to take advantage of the ideal properties of the new PR-72™ ultra-polymer and magnesium alloy. With a rugged chassis and redesigned bumpering system, the Latitude E6420 XFR passes a 6 foot MIL-STD transit drop on a single unit that has also been subjected to a full round of 4 and 5 foot drops for a total of 78 drops.

- **Ingress protection:** With PrimoSeal™ die-cut and form-in-place compression gasketing, the Latitude E6420 XFR is certified to an IP-65 level of protection against water and dust ingress, keeping your system safe.

- **Thermal management:** The Latitude E6420 XFR offers extreme performance in extreme environments with the new and improved third-generation QuadCool™ thermal management system, now with enhanced conductive cooling for quieter operation.

Go-anywhere productivity
With usage flexibility and blazing performance, the Latitude E6420 XFR is more versatile than ever before for your computing needs.

- **Features for enhanced functionality:** The Latitude E6420 XFR is packed with new features such as optional hot-swappable media bay modules for increased battery and I/O flexibility, an array of solution elements including vehicle docking, and stealth mode.

- **Field-ready rugged solution:** Using a computer in the field leads to unique challenges, such as working in direct sunlight or away from a source of power. The Latitude E6420 XFR has a large 14.0” HD anti-glare LED display with Direct Vue™ technology for sunlight-readability and an optional resistive touch screen. As well, the Latitude E6420 XFR provides up to 7.5 hours of battery life with the standard 6 cell battery.

- **Blazing performance:** The Latitude E6420 XFR is packed with the latest technology, such as Intel® Core™ i5 and i7 processors, optional 512MB discrete graphics, optional solid state drives, and an array of wireless connectivity options including mobile broadband.

Control of ownership
The Latitude E6420 XFR gives you a rugged mobile computing solution with everything needed for efficient manageability, confident security and cost control.

- **Management made easy:** The Latitude E6420 XFR fully rugged laptop is remote manageable and provides Intel® vPro™ Technology’s advanced management features with Intel WiFi® Link WLAN option for easy monitoring and out-of-band system management.

- **Confident security:** Know your data is secure with Dell’s Data Protection, encrypted hard drive options and control who has access to your data with Dell ControlVault™, contactless smart card and fingerprint reader login access options.

- **Trusted member of the team:** Know you have a partner with Dell for supporting your systems with a wide range of customizable service and support options, including Dell KACE™ system management appliances.
Technical Specification

Model Number
Latitude E6420 XFR

Processor Options
Intel® Core™ i5 and i7 Dual Core processors

Operating System Options
Genuine Windows® 7 Home Basic®, Home Premium, Professional, Ultimate
Genuine Windows Vista® Ultimate, Business, Home Basic
Linux Ubuntu 10.10

Memory Options
Up to 8GB DDR3 SDRAM (1333 MHz); 2 slots supporting 1G, 2G or 4GB DIMMs

Chipset
Mobile Intel® QM67 Express Chipset

Graphics Options
Intel® HD Graphics 3000 NVIDIA® NVS™4200M discrete graphics (512MB DDR3)

Display Options
14.0" HD (1366x768) wide-view outdoor-viewable LED with Direct Vue™ technology
14.0" HD (1366x768) wide-view outdoor-viewable resistive touchscreen LED with Direct Vue™ technology

Storage Options
7200 rpm SATA hard drive up to 320GB
Mobility solid state drive up to 256GB

Multimedia
High quality speakers
Stereophonic headset/speaker combination with integrated microphone

Battery Options
6-cell, 60Wh (2.8Ah) ExpressCharge capable
Optional 12-cell slice, 84Wh

Power Options
90W AC adapter
Optional 90W auto/air DC adapter

Connectivity
Wireless LAN and WiMAX Options:
- Intel® Centrino® Advanced-N 6205 (802.11a/b/g/n)
- Intel® Centrino® Advanced-N + W- WiMAX 6250 (802.11a/b/g/n + 802.16e)
- Intel® Centrino® Ultimate-N 6300 (802.11a/b/g/n)

Mobile Broadband & GPS Options:
- Dell Wireless 5630 Multi-mode HSPA-EVDO Mini Card (Gobi™ 3000) with A-GPS
- Dell Wireless 5550 Single-mode HSPA Mini Card with A-GPS
- Dedicated GPS and antenna, SIRFstarIV™

Ports, Slots & Chassis
- USB 2.0 (2)
- eSATA combo (1)
- Optional USB 3.0 (2 via media bay modules)
- Serial DB9 pin
- Optional E-Port XFR

Expandability
- Express Card 54
- Optional Peripheral & Docking:
  - Vehicle docking systems: ExpressCard®
  - Rugged battery slice
  - Rugged legacy I/O adapter
  - XFR shoulder strap kit

Security
- User & System Security:
  - Smart Card Reader
  - Optional fingerprint reader

- Physical Security:
  - TPM 1.28

Dimensions & Weight
- Width: 14.0"/356.1 mm (15.3"/389.3mm with bumpers)
- Depth: 11.7"/296 mm (12.1"/308.3mm with bumpers)
- Height: 2.2"/56.8 mm (2.6"/67mm with bumpers)

Weight: Starting at 8.8 lbs/3.99 kg (with 6-cell battery and no optical drive)

Regulatory and Environmental
- Regulatory Model: P21G
- Regulatory Type: P21G001
- EPEAT: Energy Star 5.0

Input
Standard backlit keyboard
Optional rubberized keyboard
Optional resistive touchpad
Optional resistive touch panel (single-point glove touch)

Management
- Intel® vPro™ Technology's advanced management features (optional, requires Intel® WiFi Link WLAN)

Environmental Testing and Certification
- Independently Tested and Certified to MIL-STD-810G for:
  - 72°, 60° 48” Transit Drop - Method 516.5 Procedure IV
  - 36° Operating Drop - Method 516.6 Procedure IV
  - Blowing Rain - Method 506.5 Procedure I
  - Blowing Dust - Method 510.5 Procedure I
  - Vibration - Method 514.6 Procedures I (Categories 4,24), II
  - Functional Shock - Method 516.6 Procedure I
  - Solar Radiation - Method 505.5, Procedure I

- Independently Tested to MIL-STD-810G Temperature Ranges
  - Operating: -20°F to 145°F (-29°C to 63°C)
  - Non-Operating: -60°F to 160°F (-51°C to 71°C)

1. Based on testing and certification to MIL-STD-810G, IEC 60529 (IP-65), MIL-STD-461F, and UL1604 standards, performed and reported independently by accredited testing companies. UL1604 must be specified at time of order for full compliance to certification.
2. The Legacy I/O module is not hot-swappable and will require a reboot to be recognized. All other media bay modules are hot-swappable.
3. Vehicle docking and some other solution elements are supported by third-party providers.
4. Based on lab testing. Varies by configuration, operating conditions and other factors. Maximum battery capacity decreases with time and use.
5. Where wireless access is available. Additional access charges apply in some locations.
6. Mobile Broadband: Subject to wireless provider’s broadband subscription and coverage area; additional charges apply.
7. Rugged legacy I/O adapter XFR shoulder strap kit
8. Offering available in select countries
9. Significant system memory may be used to support graphics, depending on system memory size and other factors
10. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
11. Based on Dell lab testing. Weights vary depending on configuration and manufacturing variability.

Tough where it counts. Find out more at www.dell.com/XFR

©2012 Dell Inc.