

DELL Technologies

LATITUDE 7230 RUGGED EXTREME

The lightest*, most powerful** 12" fully-rugged tablet.



BUILT FOR THE TOUGHEST JOBS

Upgraded with powerful, latest 12th Generation Intel® Core™ Processors and boasting up to 2TB of fast, reliable and high-performance PCIe solid state drives, this fully-rugged IP-65 rated tablet can tackle the most demanding tasks.



GO-ANYWHERE PRODUCTIVITY

A glove-capable 1200 nit 12" FHD touchscreen lets you work even in direct sunlight. Experience faster, more efficient video streaming and file transfers with Wi-Fi 6E connectivity with Dual Band Support. All day productivity is easy with optional dual hot-swappable batteries.



AWARD WINNING SERVICE

Trust that your mission-critical rugged PC is well-protected, with coverage options such as Dell ProSupport Plus. Minimize downtime with premium support options like 24/7 access to the most experienced technicians and Next Business Day On-Site Support.



SECURITY KNOWS NO BOUNDARIES

With an Infrared Camera for Windows Hello facial recognition, contactless smartcard reader option, fingerprint reader option, plus Dell Data Protection on your rugged tablet, you have security built into your system from the get-go, wherever you are.



* Based on Dell internal analysis, comparing the starting weight of Latitude 7230 Rugged Extreme, with the starting weight of competitor 12" fully-rugged tablets, using published data available as of April 2022. ** Based on Dell internal analysis of CPU+Storage+Memory+Graphics+Wifi Standard specs on fully-rugged tablets comparing the Dell Latitude 7230 Rugged Extreme Tablet to the Panasonic Toughbook 33 and Getac F110, using published data available as of April 2022.

LATITUDE
7230
 RUGGED EXTREME



GLACIER COMPUTER
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<https://glaciercomputer.com>

The lightest*, most powerful** 12" fully-rugged tablet.

- Designed and tested to work in the world's harshest environments.
- Ideal for manufacturing, field services, transportation, government and public safety organizations.
- Tested to MIL-STD 810H specs for optimal field durability.
- EPEAT® Gold certified environmentally sustainable rugged tablet.



An Evō Design

The biggest screen area* in a 12" fully rugged tablet for optimal interactivity, even in the harshest environments.**

True 12" 16:10 aspect ratio screen with 13% more† active screen area. Glove touch capable and 1200 nit direct-sunlight-viewable.

Infrared Camera and Windows Hello enable facial-recognition based secure device access.

Front camera and privacy shutter.
 5M RGB.

Corner tether points for attaching accessories like the Dell Shoulder Strap or Dell Flexible Handle.

Corning® Gorilla® Glass 5.
 Damage resistant and anti-reflective.

Handle even the most demanding field applications with **NVMe SSDs up to 2 TB storage, up to 32 GB memory and integrated Intel® Iris® Xe graphics.**

Fixed I/O: USB Type-A, Micro SD, SIM card and UAJ.

Optional right bay I/O configuration.
 Choose between HDMI and USB Type-A.

Front firing speakers for enhanced speaker quality, directionality and volume.

Programmable buttons.
 Configure shortcuts to apps, links and features.

Docking pogo connector.
 Connect the Dell Premium Keyboard or a vehicle dock.

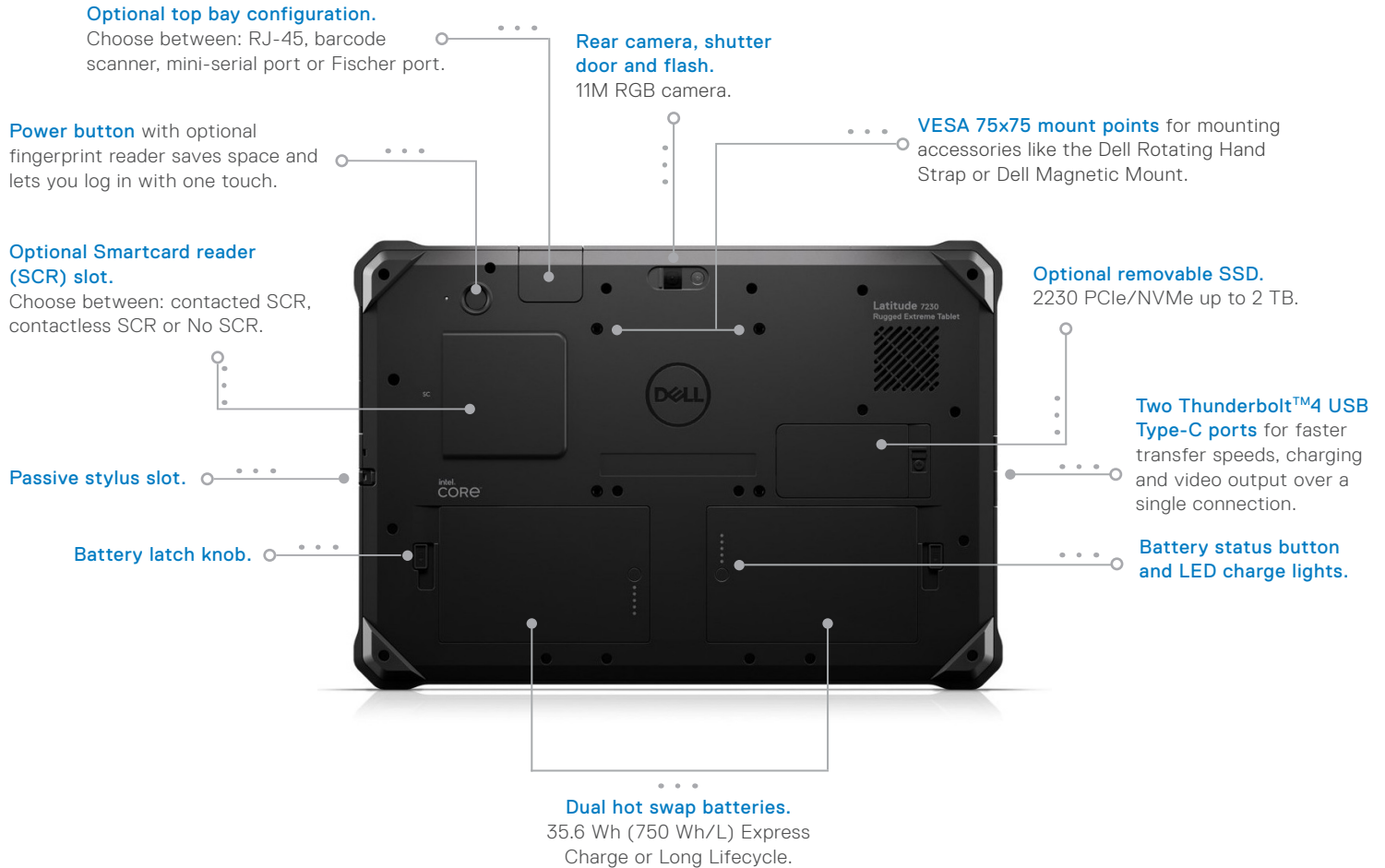
Boost field performance with Intel® 12th Generation processors up to i7.
 Intel® Iris® Xe graphics with i5 and i7 processors. Intel® UHD graphics with i3.

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 ** Based on Dell internal analysis of CPU+Storage+Memory+Graphics+Wifi Standard specs on fully-rugged tablets comparing the Dell Latitude 7230 Rugged Extreme Tablet to the Panasonic Toughbook 33 and Getac F110, using published data available as of April 2022.
 *** Based on Dell internal analysis, comparing the screen-size and aspect-ratio of the Dell Latitude 7230 Rugged Extreme, with competitor 12" fully-rugged tablets, using published data available in April 2022.
 † Compared to the active screen area in Latitude 7220 Rugged Extreme Tablet.

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Back view of tablet



LATITUDE

7230

RUGGED EXTREME



Dell Optimizer

We make it intelligent. You make it yours.

Dell Optimizer revolutionizes the way you work by fueling the world's most intelligent business PCs****. It is a business, AI-based optimization software that learns and responds to the way you work and designed to automatically improve application performance, battery runtime, audio settings and privacy - all in the background while you're working.

**** Based on internal analysis, January 2022. Dell Optimizer available in 2020 devices and beyond, not available in OptiPlex 3000 series, Latitude 3310 2-in-1, and Latitude Chromebook Enterprise. Feature availability and functionality vary by model and platform. For more information, visit www.dell.com/optimizer.



Elevate your rugged experience

Dell Optimizer for Rugged empowers high-end users with **ExpressResponse**¹ for performance optimization of storage-heavy apps. It also analyzes how you use your preferred apps² to boost performance.



Extended power

ExpressCharge analyzes your power usage habits to improve PC battery utilization. It extends run times and charges your system faster when you need a boost in power.



Unmatched connectivity

ExpressConnect³ provides the world's first simultaneous multi-network connection for faster data and video downloads⁴. It also enables joining the best network⁵ available.



Be heard in the field

In busy, noisy environments, **Intelligent Audio** enhances your audio quality - optimizing and enhancing microphone and speaker performance for clearer, louder and fuller sound.



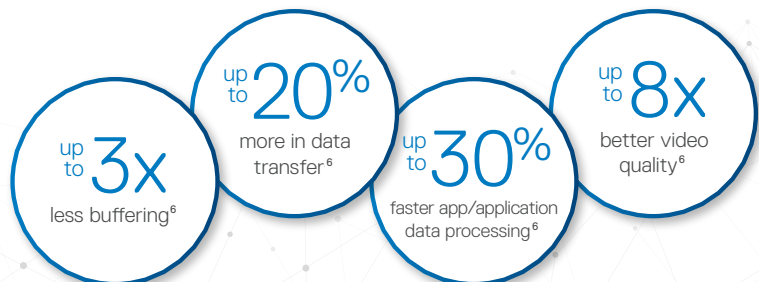
Simplified manageability

Elevate work experience with an easy-to-manage application that provides a seamless experience for both end-users and IT decision-makers.



No telemetry data is sent without explicit consent

AI and machine learning gather and analyze data locally on the system. Data is only sent to help Dell understand if the app is working appropriately.



See important information on last page



RECOMMENDED ACCESSORIES



Premium Keyboard - SWT-KBD

Increase productivity with this IP-65 rated keyboard that is completely sealed off from the elements.



Rotating Hand Strap - SWT-ROTHS

Use the 360-degree rotating hand strap to fasten your tablet to your wrist, or deploy it as a kickstand.



Active Pen - PN720R - SWT-APEN

Write and draw naturally with this responsive, IP-55 rated active pen.



Rigid Tablet Handle - SWT-HNDL

Reversible, removable handle with angled design makes it easy to reach the controls in the tablet's configurable bay.



Shoulder Strap - SWT-SHSTP

Ergonomic strap that attaches to the corner tethers of your tablet for enhanced portability.



Magnetic Mount - SWT-MAGMO

Mount your tablet instantly to any metal surface with a powerful VESA magnetic backplate.



Flexible Handle - SWT-FLXHD

Flexible, high-performance handle with fully cleanable materials.



Mobile Stand - SWT-STND

Dock your tablet with this foldable, lightweight stand.



Passive Pen - SWT-STLS

Draw, write and highlight in any environment with this sturdy pen.



Mobile Battery Charger - SWT-MBC

Charge your hot swappable batteries using this dual bay charger, with optional wall mount.

LATITUDE 7230

RUGGED EXTREME



FEATURE TECHNICAL SPECIFICATION

MODEL NUMBER	7230 Rugged Extreme (Tablet)
PROCESSOR OPTIONS⁷	12 th Gen Intel® Core™ i3 12 th Gen Intel® Core™ i5, vPro 12 th Gen Intel® Core™ i7, vPro
OPERATING SYSTEM⁷	Microsoft® Windows 11 2022H2 Pro Microsoft® Windows 11 2021H2 Pro Microsoft® Windows 10 2021H2 Pro (11 License)
MEMORY OPTIONS^{7,8,9}	8 GB LPDDR5 5200MHz integrated 16 GB LPDDR5 5200MHz integrated 32 GB LPDDR5 5200MHz integrated
CHIPSET⁷	Intel® ADL-P PCH
INTEL RESPONSIVENESS TECHNOLOGIES⁷	Intel® Rapid Storage Technology
GRAPHICS⁸	Intel® Iris® Xe Graphics (Integrated) for i5 and i7 Intel UHD Graphics (Integrated) for i3
DISPLAY⁷	12" 16:10 FHD (1920 x 1200) @ 60 Hz, sRGB 100%, Water/Glove-Capable Touchscreen, Anti-Glare and Anti-Smudge, Polarizer, Corning® Gorilla® Glass, 1200 Nit Outdoor-Readable, Active Pen Support, Passive Pen Support
STORAGE^{7,11}	Primary Drive Options: SSD M.2 2230 PCIe/NVMe Class 35 256 GB SSD M.2 2230 PCIe/NVMe Class 35 512 GB SSD M.2 2230 PCIe/NVMe Class 35 1 TB SSD M.2 2230 PCIe/NVMe Class 35 2 TB (Coming soon) SED M.2 2230 PCIe/NVMe Class 35 256 GB
SECURITY^{7,12}	TPM 2.0 FIPS-140-2 Certified / TCG Certified Control Vault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification FIPS (Federal Information Processing Standards) 140-2 certification for TPM Fingerprint Reader with Control Vault 3 Contacted Smart Card and Control Vault 3 Self Encrypting Drive (SED), Opal 2.0 only - PCIe Interface Chassis Intrusion Detection Battery Removal Detection RPMC SPI flash SPI Flash Tamper Detection/Prevention Shunt Circuit Wedge-shaped lock slot (Optional) Contacted Smart Card, NFC, and Control Vault 3 Dell Support Assist Dell Optimizer Dell BIOS Verification Dell Encryption Enterprise Dell Encryption Personal Intel Authenticate with IPT Intel Platform Trust Technology Intel Boot Guard Intel Software Guard (SGX) Intel Trusted Execution Technology (TXT) Intel Total Memory Encryption Multi-Key (TME) (Optional) Dell Data Security and Management Software, Dell Endpoint Security and Management Software
DOCKING⁷	(Docks are optional, sold separately) Dell USB-C Dock - WD19S 130W Vehicle docks
OPTICAL DRIVE	No optical drive
CAMERA OPTIONS	No camera / No microphone User Facing Camera: 5M RGB/VGA IR Camera World Facing Camera: 11M RGB Camera
AUDIO & SPEAKERS	Stereo speakers with Waves MaxxAudio® Pro L/R each 2W (Realtek® ALC3254)
BATTERY OPTIONS	2-Cell, 750 Wh/L Lithium Ion Primary Battery, ExpressCharge™, user replaceable, dual hot-swappable & Long Life Cycle capable 2-Cell, 750 Wh/L Lithium Ion Secondary Battery
POWER OPTIONS	65W adapter, USB-C 90W adapter, USB-C

FEATURE TECHNICAL SPECIFICATION

CONNECTIVITY OPTIONS⁷	Wireless Options¹⁰: Intel® Wi-Fi 6E (2.4/5/6 GHz) AX211 2x2, 802.11ax with MIMO + Bluetooth 5.2 Qualcomm® Wi-Fi 6E (2.4/5/6 GHz) WCN6856-DBS 2x2, 802.11ax with MIMO + Bluetooth 5.3 Optional Mobile Broadband Options: Qualcomm® Snapdragon X20 Global Gigabit LTE eSIM Qualcomm® Snapdragon X20 Global Gigabit LTE Qualcomm® Snapdragon X55 Global 5G Modem Qualcomm® Snapdragon X55 Global 5G Modem eSIM GPS: uBlox NEO-M9N, L1 (1575.42 MHz)
PORTS, SLOTS & CHASSIS	Ports: 2 x Thunderbolt™4/USB 3.2 Gen 2 Type-C port with Power Delivery 1 x Universal audio jack (UAJ) 1 x USB 3.2 Gen 1 Type-A port with PowerShare (Optional) Expansion I/O Port 1 (right) (Choose from HDMI 2.0 or USB 3.2 Gen 1 Type-A), Expansion I/O Port 2 (top) (Choose from RJ-45, Fischer USB 3.2, Mini-serial RS-232 or 1D/2D barcode scanner) Slots: 1 x Micro SD card slot 1 x Nano SIM card slot 1 x Wedge-shaped lock slot Chassis: Plastic resin and thermoplastic elastomer (TPE), (Optional) 1 x Smart card reader slot and 1 x SSD door, 1 x NFC and 1 x SSD door, 1 x SSD door, Non-slot
DIMENSIONS & WEIGHT	Width: 296.00mm / 11.65" Height: 23.90 mm / 0.94" Depth: 203.00 mm / 7.99" Starting weight: 1.26 kg / 2.78 lbs Maximum weight (with handle): 1.59 kg / 3.49 lbs
REGULATORY AND ENVIRONMENTAL COMPLIANCE^{13,17}	Regulatory Model: T06H Regulatory Type: T06H001 Energy Star 8.0, EPEAT® Gold ¹⁵ MIL-STD-810H testing¹⁷: Transit drop (48" / 1.22m); single unit), blowing rain, blowing dust, blowing sand, vibration, functional shock, humidity, salt fog (with rubberized keyboard), altitude, explosive atmosphere, solar radiation, thermal shock, freeze/thaw, tactical standby to operational Operating thermal range¹⁸: -20°F to 145°F (-29°C to 63°C) Non-operating range: -60°F to 160°F (-51°C to 71°C) IEC 60529 ingress protection¹⁷: IP-65 (dust-tight, protected against pressurized water) Hazardous locations certification: ANSI/ISA.12.12.01 certification (Class I, Division 2, Groups A,B,C,D) Electromagnetic interference: MIL-STD-461G
INPUT⁷	Rugged 7230 Tablet Water/Glove-Capable Touchscreen Dell Rugged Active Pen - PN720R (Sold separately) Rugged 7230 Tablet Premium Keyboard (Sold separately)
SENSORS	Hall Sensor, Gyroscope, eCompass/Magnetometer, Accelerometer (free fall), Ambient Light Sensor, Proximity Sensor (SAR)
SYSTEMS MANAGEMENT⁷	Dell Power Manager 3.1 or later, Dell Command Configure 4.8 or later, Dell Command Monitor 10.8 or later, Dell Command Update 4.3 or later, Dell Command Update Catalog, Dell Command Deploy, Dell Command Integration Suite for System Center 6.2, Dell Command Intel® vPro™ Out of Band, 4.2 or later, Dell Command PowerShell Provider 2.6 or later, Dell Command Deploy Driver Pack Catalog 1.0 or later
WARRANTY AND SERVICE^{14,15,16}	Limited Hardware Warranty ^{14,15} , Standard 3 year Mail-in Service ^{14,15} after Remote Diagnosis ^{15,16} , optional 3-5 year Dell ProSupport and ProSupport Plus contracts ¹⁶ and optional Next-Business-Day Service available ^{15,16}
PERIPHERAL ECOSYSTEM⁷	Dell Premium Keyboard, Dell Rotating Hand Strap, Dell Active Pen - PN720R, Dell Rigid Tablet Handle, Dell Shoulder Strap, Dell Magnetic Mount, Dell Flexible Handle, Dell Mobile Stand, Dell Passive Pen, Dell Mobile Battery Charger Additional Dell and third-party accessories available

Product Disclosures:

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† Compared to the active screen area in Latitude 7220 Rugged Extreme Tablet.

1 ExpressResponse must be enabled in the Applications feature. Dell Optimizer learns how user uses the selected application(s) over several hours. Based on Dell testing using Sysmark 2018 benchmark on a Latitude system running productivity applications; and using performance evaluation benchmarks on Precision mobile workstations running ISV applications, March 2020. Improvement will vary based on product configuration, use, application and other factors.

2 User must input preferred apps first in order for them to be analyzed.

3 ExpressConnect available with Dell Optimizer software version 2.0 and onwards. Download the latest at <https://www.dell.com/support/home>.

4 Disclaimer: Simultaneous multi-network connection (or Connection based teaming) is a new connectivity feature under ExpressConnect. It simultaneously sends and receives data and video traffic using two wired or wireless connections. Based on Dell internal analysis.

5 Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.

6 With ExpressConnect's optimized internet bandwidth. Based on testing performed by Dell Labs in June 2020, comparing performance with ExpressConnect enabled and disabled. Actual results may vary; testing results do not guarantee performance under test conditions. Subject to service provider's broadband subscription and coverage area; speeds may vary. Additional charges will apply. Contact your service provider for details.

7 Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Technical Guidebook published on www.dell.com/support.

8 System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.

9 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

10 Particular versions of Microsoft Windows may not support the full Bluetooth 5.2 or 5.3 functionality.

11 Storage Option: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

12 TPM is available in selected regions.

13 Please refer to www.epeat.net for specific country registration rating and participation.

14 Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty.

15 Onsite Service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/warranty) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

16 Dell Services: Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.

17 For complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information www.dell.com/support/home/us/en/19.

18 Includes system testing with adapter up to a low temperature of -29°C (-4°F) plus MIL-810 temperature testing, with no performance degradation. When used with the battery, for the operating temperature range -20°C to 29°C (-4°F to 20°F), the system may experience a delay in boot time, for a cold boot. Once booted, no drop in system performance is observed, but a battery runtime of approximately 20 minutes or less may be recorded. Between 0°C to -20°C (32°F to -4°F), considerable battery degradation may be observed. For extreme cold-temperatures, it is recommended that the system be booted in a warm environment and then used outdoors, where possible.

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