DELL Scalability that gets smarte User Guide

WORLD'S MOST INTELLIGENT BUSINESS PCS WITH BUILT-IN AI16
Latitude 5000 Series laptops feature Dell Optimizer, built-in AI that learns and responds to the way you work, to automatically improve application performance, battery life and audio settings in the background. ExpressResponse launches favorite applications faster and improves their performance. Based on your habits, settings will adjust to keep you running longer or give you the appropriate ExpressCharge. And Intelligent Audio auto-adjusts for best sound quality and conferencing. All controlled through one module, at no additional cost, to reduce lag and help you run at peak performance.

STAY CONNECTED WHEREVER WORK TAKES YOU
Choose Intel® Wi-Fi 6 (Gig+), delivering nearly 3x faster speeds and next-gen security to PCs and wireless networks,18 or stay connected with LTE mobile broadband options. New eSIM technology connects to more global carriers without having to switch SIM cards. Up to the latest 10th Gen Intel ® Core™ i7 vPro® processors offer businesses the performance, manageability, and built-in security features while providing the foundation for future technology advancements.

A NEW LOOK FOR WORLD'S SMALLEST MAINSTREAM BUSINESS LAPTOPS17

Our most scalable laptops are the world's smallest in their class17 with a modern design and new lighter color. Narrow border, anti-glare screens, with touch options increase productivity, wherever you work. Memory up to 32GB DDR4, storage up to 1 TB HD, and battery up to 68 Whr, offer flexibility for different business needs. Discrete graphics options improve high-resolution video and graphic-intensive applications. Connect to more accessories with a variety of ports including HDMI, RJ45, and USB Type-C™. Upgrade to optional Thunderbolt™ 3 for even more speed.

A LEADER IN SUSTAINABILITY

Latitude 5000 Series laptops were the first to use reclaimed carbon fiber in the design and include up to 19% post-consumer recycled material. With our commitment to sustainability, we use low VOC waterborne paint for a healthier work environment; and ocean-bound plastic (25%) and HDPE recycled plastic (75%) comprise our packaging trays.

See important information on page 8

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The world's most intelligent PCsfeaturing Dell Optimizer16

New Latitude devices feature Dell Optimizer — built-in artificial intelligence that learns how you work and continuously adapts to your style to create a smarter, more personal experience. The result? Improved system responsiveness, New Latitude devices feature Dell Optimizer a built-in artificial intelligence software that learns and adapts to your behavior to create a smarter, more personalized user experience. It automatically improves application performance, battery run time, and more in the background, so you have fewer disruptions no matter where you're working.

Dell Optimizer uses built-in AI and Intel® Adaptix™ Technology to learn how you typically use your favorite applications, continuously improving and applying settings – quietly, in the background – so you get the most nimble performance possible.

Eliminate the stress of low battery. This technology learns your day-to-day charging habits and ensures your battery operates at its full potential. If you can't charge your system right away, it will subtly adjust settings to preserve resources, such as dimming your screen or turning off Bluetooth when not in use. When you connect to power ExpressCharge Boost will gain a 35% charge in about 20 minutes19 or up to 80% in an hour with ExpressCharge 20

Dell Optimizer's Intelligent Audio will automatically tune your system by adjusting background noise, managing speech volume, and refining the overall sound experience. Every conference call will feel like you're in the room no matter where you are.

Recommended accessories

LATITUDE 5310 | 5410 | 5510

ON-THE-GO

DELL NOTEBOOK POWER BANK PLUS (18,000 MAH) | PW7015L

Even when you're not near an outlet, you'll have enough power for your laptop and cell phone with the Dell Power Companion.

DELL MOBILE ADAPTER SPEAKERPHONE | MH3021P

World's first multiport adapter with integrated speakerphone offers an all-in-one connectivity and conferencing solution.[23]

DELL PRO HYBRID BRIEFCASE BACKPACK 15 | PO1520HB

Protect your laptop from impact with this earth friendly backpack that is lined with EVA foam cushioning. Easily convert from backpack to briefcase mode and travel with ease.

DELL MOBILE PRO WIRELESS MOUSE | MS5120W

Connect your mouse conveniently via 2.4GHz wireless or Bluetooth and enhance your productivity with programmable shortcut buttons and 36 months[21] of battery life.

DELL USB-C MOBILE ADAPTER | DA300

Connect your Latitude to almost any device with a convenient 6-in-1 compact adapter.

AT THE DESK

DELL THUNDERBOLT DOCK | WD19TB

Work at full speed with Dell's powerful Thunderbolt Dock. Charge your system faster, support up to two 4K displays and connect to your peripherals via a single cable.

DELL MULTI-DEVICE WIRELESS KEYBOARD AND MOUSE COMBO | KM7120W

Designed to work seamlessly across 3 devices, this compact keyboard mouse combo keeps your desk clutter-free and lets you stay productive with up to 36 months[22] of battery life.

DELL 27 MONITOR | P2720D

See more and do more with this 27" QHD monitor that expands your workspace and gives you a better view of all your important tasks.

DELL PRO STEREO HEADSET | UC350

Hear every word clearly on your next call with the Dell Pro Stereo Headset, optimized to provide in-person call quality.

DELL DUAL MONITOR STAND | MDS19

This space saving stand mounts up to two 27-inch monitors, providing the screen real estate you need to be most productive.

Built for business

Experience a new way to work with Dell Technologies Unified Workspace. Intelligence built-in. Modernization built on.

DEPLOY

We know that having the right device is just the start to a great workday. Employees need intelligent, intuitive, and responsive experiences that allow them to work productively and without interruption. According to research, 1 out of every 4 users would question their job and the company they work for if they had a negative experience with their technology.1 Dell Technologies Unified Workspace is transforming the employee experience and ensuring IT has proactive, predictive and automated solutions to deliver on the promise of a modern workday while simplifying their ability to deploy, secure, manage and support their environment.

ProDeploy in the Unified Workspace allows IT to move away from traditional, high-touch, manual deployment, and instead, ship devices preconfigured with company apps and settings from the Dell factory directly to their end-users— having end users up and working on day one.

SECURE

Dell Trusted Devices provide a foundation to a modern workforce environment with invisible and seamless protection to ensure smarter, faster experiences. End users stay productive and IT stays confident with modern security solutions for the Dell Trusted Device.

MANAGE

Dell Client Command Suite + VMware Workspace ONE offers integrated capabilities that deliver a unified endpoint management experience for IT, enabling them to manage firmware, OS, and apps from one console, while also creating seamless experiences for end-users.

SUPPORT

ProSupport resolves hardware issues up to 11x faster than the competition. ProSupport for PCs offers 24×7 access to in-region ProSupport engineers who contact IT when critical issues arise,2 so you can focus on what's next, not what just happened. ProSupport Plus helps IT stay a step ahead and virtually eliminate unplanned downtime due to hardware issues. You get all the capabilities of ProSupport, as well as AI-driven alerts to prevent failures and repairs for accidents. 3

1 ESG Research Report. 2019 Digital Work Survey. December 2019.

2 Based on a Principled Technologies test report, "Spend Less Time and Effort Troubleshooting Laptop Hardware Failures" dated April 2018. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: **ProSupport_Plus_SupportAssist** [PDF].

3 Based on a Principled Technologies test report, "Dell ProSupport Plus with SupportAssist warns you about hardware issues so you can fix them before they cause downtime" dated April 2019. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: **Dell-ProSupport-Plus** [PDF]. Hardware issues detected by SupportAssist include hard drives, solid-state drives, batteries, and fans.

Features & technical specifications

LATITUDE 5310 | 5410 | 5510

Feature	Technical Specifications	Technical Specifications	Technical Specifications

Model Number1	5310	5410	5510
Processor1	10th Generation Intel® Core™ Processors up to i7 vPro 6-Core	10th Generation Intel ® Core™ Processors up to i7 vPro 6-Core	10 th Generation Intel® Core™ Processors up to i7 vPro 6-Core
Operating System 1	Microsoft® Windows 10 Pro 64 bit Microsoft® windows 10 Home 64 bit Ubuntu 18.04 LTS 64-bit	Microsoft® Windows 10 Pro 64 bit Microsoft® windows 10 Home 64 bit Ubuntu 18.04 LTS 64-bit NeoKylin 6.0 64 bit (May 2019)	Microsoft® Windows 10 Pro 64 bit Microsoft® windows 10 Home 64 bit Ubuntu 18.04 LTS 64-bit
Memory Options1,2,3	DDR4 3200 MHz Non-ECC SDRAM operates at 2666 MHz with Intel ® 10 th Generation Core i processors 2 slots supporting up to 32 GB	DDR4 3200 MHz Non-ECC SDRAM operates at 2666 MHz with Intel ® 10th Generation Core i processors 2 slots supporting up to 32G B	DDR4 3200 MHz Non-ECC SDRAM operates at 2666 MHz with Intel® 10th Generation Core i processors 2 slots supporting up to 32GB

Chipset 1	Integrated with the Processor	Integrated with the Processor	Integrated with the Processor
Intel Responsiveness Technologies 1,7	Intel ® Rapid Storage Technology	Intel ® Rapid Storage Technology	Intel ® Rapid Storage Technology
Graphics 1,13	Intel ® UHD Graphics	Intel® UHD Graphics AMD Radeon™ RX 640	Intel® UHD Graphics AMD Radeon™ RX 640
Display 1	13.3" HD (1366 x 768) Anti-Glare (16:9)WLED, 220 nits, non-touch, Carbon Fiber Reinforced Polymer LCD Back	14.0" HD (1366 x 768) Anti-Glare (16:9) WLED, 220 nits, non-touch, carbon Fiber Reinforced Polymer LCD Back	15.6" HD (1366 x 768) Anti-Glare (16:9) WLED, 220 nits, non-touch, Carbon Fiber Reinforced Polymer LCD Back

	13.3" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED SLP, 300 nits, non-touch, Carbon Fiber Reinforced Polymer LCD Back	14.0" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED, 220 nits, non- touch, Carbon Fiber Reinforced Polymer LCD Back	15.6" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED, 220 nits, non- touch, Carbon Fiber Reinforced Polymer LCD Back
	13.3" FHD WVA (1920 x 1080) Embedded Touch with Anti-Glare (16:9) WLED, 300 nits, Carbon Fiber Reinforced Polymer LCD Back	14.0" FHD WVA (1920 x 1080) Embedded Touch Display with Anti-Glare (16:9) WLED, 220 nits, Carbon Fiber Reinforced Polymer LCD Back	15.6" FHD WVA (1920 x 1080) Embedded Touch Display with Anti-Glare (16:9) WLED, 220 nits, Carbon Fiber Reinforced Polymer LCD Back
		14.0" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED SLP, 300 nits, non- touch, Carbon Fiber Reinforced Polymer LCD Back	15.6" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED, 300 nits, non- touch, Carbon Fiber Reinforced Polymer LCD Back

		14.0" FHD WVA (1920 x 1080) Anti-Glare (16:9) Privacy WLED, 300 nits, non-touch, Carbon Fiber Reinforced Polymer LCD Back	15.6" FHD WVA (1920 x 1080) Anti-Glare (16:9) WLED, 300 nits, non- touch, Aluminum LCD Back
			15.6" FHD WVA (1920 x 1080) Embedded Touch Display with Anti-Glare (16:9) WLED, 220 nits, Aluminum LCD Back
Storage 1,3	SSD M.2 2230 PCIe Gen 3 NVMe up to 512GB SSD M.2 2280 PCIe Gen 3 x4 NVMe up to 1TB SSD M.2 2280 PCIe Gen 3 x4 NVMe up to 512GB OPAL SED	HDD up to 1TB, OPAL SED options SSD M.2 2230 PCIe Gen 3 NVMe up to 512GB SSD M.2 2280 PCIe Gen 3 NVMe up to 1TBSSD M.2 2280 PCIe Gen 3 NVMe up to 512GB OPAL SED	HDD up to 1TB, OPAL SED options SSD M.2 2230 PCIe Gen 3 NVMe up to 512GB SSD M.2 2280 PCIe Gen 3 NVMe up to 1TB SSD M.2 2280 PCIe Gen 3 NVMe up to 512GB OPAL SED

| Security 1 | TPM 2.0 FIPS 140-2 Certified, TCG Certified Optional Windows Hello Compliant Fingerprint Reader in power button Optional Face IR camera (Windows Hello compliant) Optional Security Hardware Authentication Bundles 1: Touch Fingerprint Reader (in Power Button) with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 2: FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with IPS 140-2 Level 3 Certification 3: Touch Fingerprint Reader (in Power Button) and FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 4: Touch Fingerprint Reader(in Power Button), FIPS 201 Contacted Smart Card, Contactless Smart Card, NFC, Control Vault 3.0 Advanced Authentication withFIPS 140-2 Level 3 Certification | TPM 2.0 FIPS 140-2 Certified, TCG Certified Optional Windows Hello ompliant FingerprinReader in power button Optional Face IR camera (Windows Hello compliant) Optional Security Hardware Authentication Bundles 1: Touch Fingerprint Reader (in Power Button) with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 2: FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 3: Touch Fingerprint Reader (in Power Button) and FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 4: Touch Fingerprint Reader(in Power Button), FIPS 201 Contacted Smart Card, Contactless Smart Card, NFC, Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification | TPM 2.0 FIPS 140-2 Certified, TCG Certified Optional Windows Hello compliant fingerprint reader in power button Optional Face IR camera (Windows Hello compliant) Optional Security Hardware Authentication Bundles 1: Touch Fingerprint Reader (in Power Button) with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 2: FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 3: Touch Fingerprint Reader (in Power Button) and FIPS 201 Contacted Smart Card with Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 4: FIPS 201 Contacted Smart Card, Contactless Smart Card, NFC, Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 5: Touch Fingerprint Reader (in ower Button), FIPS 201 Contacted Smart Card, Contactless Smart Card, NFC, Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification 6: Touch FIPS 201 Fingerprint Reader, FIPS 201 Contacted Smart Card, Control Vault 3.0 Advanced Authentication with FIPS 140-2 Level 3 Certification |

	Dell Client Command Suite Dell BIOS Verification Optional Dell Endpoint Security and Management Software VMware Carbon Black Endpoint Standard VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response Dell Encryption Enterprise Dell Encryption Personal Carbonite VMware Workspace ONE Absolute® Endpoint Visibility & Control Netskope Dell Supply Chain Defense	Dell Client Command Suite Dell BIOS Verification Optional Dell Endpoint Security and Management Software VMware Carbon Black Endpoint Standard VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response Dell Encryption Enterprise Dell Encryption Personal Carbonite VMware Workspace ONE Absolute® Endpoint Visibility & Control Netskope Dell Supply Chain Defense	Dell Client Command Suite Dell BIOS Verification Optional Dell Endpoint Security and Management Software VMware Carbon Black Endpoint Standard VMware Carbon Black Endpoint Standard + Secureworks Threat Detection and Response Dell Encryption Enterprise ell Encryption Personal Carbonite VMware Workspace ONE Absolute® Endpoint Visibility and Control Netskope Dell Supply Chain Defense
Docking 1	Dell ThunderboltTM Dock-WD19TB (optional, sold separately) Dell Dock- WD19 (optional, sold separately)	Dell ThunderboltTM Dock-WD19TB (optional, sold separately) Dell Dock- WD19 (optional, sold separately)	Dell ThunderboltTM Dock- WD19TB (optional, sold separately) Dell Dock- WD19 (optional, sold separately)
Optical Drive	External Options Only	External Options Only	External Options Only

Multimedia 1	High-Quality Speakers Universal Audio jack Noise-reducing array microphones Optional HD RGB Camera with Dell Privacy Shutter Optional IR Camera with Dell Privacy Shutter Optional No Camera Skype For Business Certified	High-Quality Speakers Universal Audio jack Noise-reducing array microphones Optional HD RGB Camera with Dell Privacy Shutter Optional IR Camera with Dell Privacy Shutter Optional No Camera Skype For Business Certified	High-Quality Speakers Universal Audio jack Noise-reducing array microphones Optional HD RGB Camera with Dell Privacy Shutter Optional IR Camera with Dell Privacy Shutter Optional No Camera Skype For Business Certified
Battery Options 1,5	3 cell 42 WHr ExpressCharge™ Capable Battery 4 cell 60 WHr ExpressCharge™ Capable Battery 4 cell 60 WHr Long Life Battery (includes 3yr limited hardware warranty)	3 cell 42 WHr ExpressCharge™ Capable Battery (UMA only) 3 cell 51 WHr ExpressCharge™ Capable Battery 4 cell 68 WHr ExpressCharge™ Capable Battery 4 cell 68 WHr Long Life Battery (includes 3yr limited hardware warranty)	3 cell 42 WHr ExpressCharge™ Capable Battery (UMA only) 3 cell 51 WHr ExpressCharge™ Capable Battery 4 cell 68 WHr ExpressCharge™ Capable Battery 4 cell 68 WHr Long Life Battery (includes 3yr limited hardware warranty)
Power Options 1	65W adapter, 7.4mm barrel 90W adapter, 7.4mm barrel 65W adapter, Type-C	65W adapter, 7.4mm barrel 90W adapter, 7.4mm barrel 65W adapter, Type-C 90W adapter, Type-C	65W adapter, 7.4mm barrel 90W adapter, 7.4mm barrel 65W adapter, Type-C 90W adapter, Type-C

Connectivity Options 1,13	10/100/1000 Ethernet Wireless LAN Options: Qualcomm QCA61X4A 802.11ac Dual Band (2×2) Wireless Adapter + Bluetooth 5.0 Intel ® Wi-Fi 6 AX201 2×2 802.11ax 160MHz + Bluetooth 5.1 Optional Mobile Broadband Options: 8,10 Intel XMM 7360 Global LTE-Advanced Optional eSim	10/100/1000 Ethernet Wireless LAN Options: Qualcomm QCA61X4A 802.11ac Dual Band (2×2) Wireless Adapter + Bluetooth 5.0 Intel® Wi-Fi 6 AX201 2×2 802.11ax 160MHz + Bluetooth 5.1 Optional Mobile Broadband Options: 8,10 Intel XMM 7360 Global LTE-Advanced Optional eSim	10/100/1000 Ethernet Wireless LAN Options: Qualcomm QCA61X4A 802.11ac Dual Band (2×2) Wireless Adapter + Bluetooth 5.0 Intel ® Wi-Fi 6 AX201 2×2 802.11ax 160MHz + Bluetooth 5.1 Optional Mobile Broadband Options: 8,10 Intel XMM 7360 Global LTE-Advanced Optional eSim
Ports, Slots & Chassis 1	1x USB Type C™ 3.2 Gen 2 with Power Delivery & DisplayPort / Optional Thunderbolt™ 3 with Power Delivery & DisplayPort 2x USB 3.2 Gen 1 (one with Power Share) 1x HDMI 1.4 1x Flip-Down RJ-45 1x external uSIM card tray (optional) 1x uSD 4.0 Memory card reader 1x Optional Contacted SmartCard Reader 1x Optional Touch Fingerprint Reader in Power Button Wedge Lock slot	1x USB Type C™ 3.2 Gen 2 with Power Delivery & DisplayPort / Optional Thunderbolt™ 3 with Power Delivery & DisplayPort 3x USB 3.2 Gen 1 (one with ower Share) 1x HDMI 1.4 1x Flip-Down RJ-45 1x external uSIM card tray (optional) 1x uSD 4.0 Memory card reader 1x Optional Contacted SmartCard Reader 1x Optional Touch Fingerprint Reader in Power Button Wedge Lock slot	1x USB Type C 3.2 Gen 2 with Power Delivery & DisplayPort / Optional Thunderbolt™ 3 with Power Delivery & DisplayPort 3x USB 3.2 Gen 1 (one with PowerShare) 1x HDMI 1.4 1x Flip-Down RJ-45 1x external uSIM card tray (optional) 1x uSD 4.0 Memory card reader 1x Optional Contacted SmartCard Reader 1x Optional Touch Fingerprint Reader in Power Button 1x Optional Touch FIPS 201 Fingerprint Reader in Palmrest Wedge Lock slot

Dimensions & Weight 1, 15	Width: 12.0" / 305.7mm Height (Non- Touch): 0.69" / 17.53mm (front) 0.78" / 19.72mm (rear) Depth: 8.16" / 207.5mm Starting weight: 2.69 lbs / 1.22 kg (42Whr battery, M.2 SSD, non touch HD LCD, UMA)*	Width: 12.7" / 323.05mm Height (Non- Touch): 0.8" / 20.26mm (front) 0.83" / 21.18mm (rear) Depth: 8.5" / 216mm Starting weight: 3.26 lbs / 1.48 kg (42Whr battery, M.2 SSD, non touch FHD LCD, UMA)*	Width: 14.1" / 359.1mm Height (Non- Touch): 0.83" / 20.98mm (front) 0.88" / 22.42mm (rear) Depth: 9.3" / 236.25 mm Starting weight: 4.01 lbs / 1.82 kg (42Whr battery, M.2 SSD, non touch FHD LCD, UMA)*
Regulatory and Environmental Compliance1	Regulatory Model: P97G Regulatory Type: P97G002 ENERGY STAR compliant configurations available EPEAT Registered. For specific country participation and rating, please see **www.epeat.net** BFR/PVC free 9 Trade Agreements Acts(TAA)configurations available	Regulatory Model: P98G Regulatory Type: P98G007 ENERGY STAR compliant configurations available EPEAT Registered. For specific country participation and rating, please see www. epeat.net BFR/PVC free 9 Trade Agreements Acts(TAA) configurations Available	Regulatory Model: P80F Regulatory Type: P80F002 ENERGY STAR compliant configurations available EPEAT Registered. For specific country participation and rating, please see www. epeat.net BFR/PVC free 9 Trade Agreements Acts(TAA) configurations Available
Input 1	Single Pointing non-backlit Keyboard, Spill-Resistant Single Pointing Backlit Keyboard, Spill-resistant Microsoft ® Precision Touchpad	Single Pointing Non-Backlit Keyboard, Spill-Resistant Single Pointing Backlit Keyboard (Japanese and Brazilian Portuguese only), Spill-Resistant Single Pointing Backlit Keyboard for SafeScreen, Spill-Resistant Dual Pointing Backlit Keyboard, Spill-Resistant Microsoft ® Precision Touchpad	Single Pointing non-backlit Keyboard, Spill-Resistant Dual Pointing backlit Keyboard, Spill-Resistant Microsoft ® Precision Touchpad 10 Key Numeric Keypad

Systems Management 1	Intel® vPro™ Technology (iAMT 12) (optional, requires Intel WiFi ® Link WLAN and a vPro compatible processor), Dell Client Command Suite available (dell.com/ command), Factory Installed Dell Client Command	Update, Dell Command	Power Manager	Dell Optimizer	Intel® vPro™ Technology (iAMT 12) (optional, requires Intel WiFi ® Link WLAN and a vPro compatible processor), Dell Client Command Suite available (dell.com/command), Factory Installed Dell Client Command	Update, Dell Command	Power Manager	Dell Optimizer	Intel® vPro™ Technology (iAMT 12) (optional, requires Intel WiFi ® Link WLAN and a vPro compatible processor), Dell Client Command Suite available (dell.com/command), Factory Installed Dell Client Command	Update, Dell Command	Power Manager	Dell Optimizer
Warranty and Service1	Limited Hardware Warranty 4 Standard 1 year Mail-in Service after Remote Diagnosis 11 optional 2, 3, 4 and 5 year hardware warranty extensions and 3-5 year Dell ProSupport contracts available 12	Limited Hardware Warranty 4 Standard 1 year Mail-in Service after Remote Diagnosis 11 optional 2, 3, 4 and 5 year hardware warranty extensions and 3-5 year Dell ProSupport contracts available 12	Limited Hardware Warranty 4 Standard 1 year Mail-in Service after Remote Diagnosis 11 optional 2, 3, 4 and 5 year hardware warranty extensions and 3- 5 year Dell ProSupport contracts available 12
Peripheral Ecosystem 1	Purpose-built an ecosystem to enable productivity on the go or at the desk. Includes Dell Business Dock-WD19, Dell Power Companions, Dell Professional Briefcases, Dell 24" Monitors, and Dell Wireless Keyboard and Mouse	Purpose-built an ecosystem to enable productivity on the go or at the desk. Includes Dell Business Dock-WD19, Dell Power Companions, Dell Professional Briefcases, Dell 24" Monitors, and Dell Wireless Keyboard and Mouse	Purpose-built an ecosystem to enable productivity on the go or at the desk. Includes Dell Business Dock- WD19, Dell Power Companions, Dell Professional Briefcases, Dell 24" Monitors, and Dell Wireless Keyboard and Mouse

1. Offering may vary by country and by configuration

2. A 64-bit operating system is required to support 4GB or more of system memory.

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

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

5. Battery support is dependent upon graphics support. Check technical guides for detailed support

6. COMPUTRACE Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at **www.absolute.com/en/about/legal/agreements**.

7. Intel Rapid Storage Technology requires an HDD, mSATA, or an SSD, as a primary storage device and Windows OS required

8. Wireless antenna available only at the time of system purchase

9. Dell Latitude 5000 Series are brominated flame retardant-free (BFR-free) and polyvinyl chloride-free (PVC-free); meeting the definition of BFR-/PVC-free as set forth in the iNEMI Position Statement on the 'Definition of Low-Halogen Electronics (BFR-/CFR-/PVC-free)'. Plastic parts contain less than 1,000 ppm (0.1%) of bromine (if the Br source is from BFRs) and less than 1,000 ppm (0.1%) of chlorine (if the Cl source is from CFRs or PVC or PVC copolymers). All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total less than 1,500 ppm (0.15%) with maximum chlorine of 900 ppm (0.09%) and maximum bromine being 900 ppm (0.09%).

10. Mobile Broadband Subject to service provider's broadband subscription and coverage area; additional charges apply.

11. Mail-in Service after Remote Diagnosis: Remote Diagnosis is determined by an online/phone technician of cause of issue; may involve customer access to the inside of system and multiple or extended sessions. If the 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.

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

13. GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.

14. Weights vary depending on configuration and manufacturing variability.

15. Based on Dell analysis, November 2019.

16. Based on Dell analysis using publicly available data, January 2020. The smallest refers to the total surface area.

17. Nearly 3X Faster: 802.11ax 2×2 160 MHz enables 2402 Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2×2 80 MHz (867 Mbps) as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers. WPA3 Wi-Fi Security Features: The Wi-Fi Alliance industry consortium will certify Wi-Fi 6 products for compliance with the IEEE 802.11ax standard, and will require WPA3 security certification as a pre-requisite to ensure the latest in Wi-Fi security features. WPA3 Simplified Passwords: WPA3 uses Simultaneous Authentication of Equals (SAE) to replace the PreShared Key (PSK) exchange protocol used by WPA2. SAE more securely handles initial key exchange and uses forward secrecy, which makes it more resistant to offline decryption attacks and provides stronger password-based authentication. WPA3 Enhanced Protection: Additional network protection comes from the equivalent of 192-bit cryptographic strength across an 802.11ax network and is superior to the 128-bit AES encryption utilized with WPA2. Claim D is based on industry-standard WAP3 certify cation which parameters are broadly available **https://www.wi-fi.org/discover-wi-fi/security**

18. Based on Dell internal analysis, February 2019. Within Dell Power Manager software, selecting either the Default mode of Adaptive Charge or ExpressCharge can recharge the system battery from 0% up to 35% within 20 minutes when the system is powered offand battery temperature is between 16-45 degrees C. With ExpressCharge mode enabled, the system battery can then continue charging up to 80% within 60 minutes. After charging has reached 80% capacity, the charging speed will return to normal speed. Recommended for use with the provided Dell power adapter; not recommended with a smaller capacity power adapter. Charging time may vary +/-10% due to System tolerance.

19. Based on Dell internal analysis, February 2019. When used with Dell systems with ExpressCharge. Within Dell Power Manager software, selecting ExpressCharge can recharge the system battery from 0% up to 80% within 60 minutes. After charging has reached 80% capacity, the charging speed will return to normal speed. Recommended for use with the provided Dell power adapter; not recommended with a smaller capacity power adapter. Charging time may vary +/-10% due to system tolerance.

20. Based on Dell internal analysis of battery life usage model calculations, Nov 2019. Results vary depending on usage and computing conditions.

21. Based on Dell internal analysis of battery life usage model calculations and 3 million keystrokes per year, Nov 2019. Results vary depending on usage and computing conditions.

22. Based on Dell analysis, March 2020.

Documents / Resources

DELL Scalability that gets smarte [pdf] User Guide
Scalability that gets smarte, 5310, 5410, 5510

References

- **Computers, Monitors & Technology Solutions | Dell USA**
- **Dell Client Command Suite | Dell USA**
- **EPEAT Registry**
- **facts.pt/0xvze8**
- **facts.pt/L52XKM**
- **Service Agreements | Absolute**
- **Computers, Monitors & Technology Solutions | Dell USA**
- **Commercial Service Contracts | Dell**
- **Consumer Warranties | Dell**

Manuals+,