PRECISION
3581

Take your projects
to new heights
with exceptional
workstation-class
performance

3581

Take your projects to new heights.

Affordable performance and reliability essential for design, financial analysis and web design.

Up to FHD IR camera with AI-based EMZA proximity sensors, contextual privacy, privacy shutter and intelligent noise cancellation

Starting at 3.96 lb (1.80 kg)

Advanced thermal management, with Dual Opposing Output (DOO) fan and User Selectable Thermal Tables

Pro2 ID keyboard with an optional backlight and a 10-key number pad

15.6" display with up to FHD 100% sRGB, 400 nits, PremierColor, Touch and ComfortView Plus, Low blue light (LBL) and super Low Power (SLP).

Optional Finger Reader, integrated with power button Windows Hello capable

Titan Gray

Optional mobile broadband 4G LTE or 5G

Up to WiFi 6E (6 if 6E unavailable), Bluetooth 5.3

Large glass-like, multi-touch clickpad

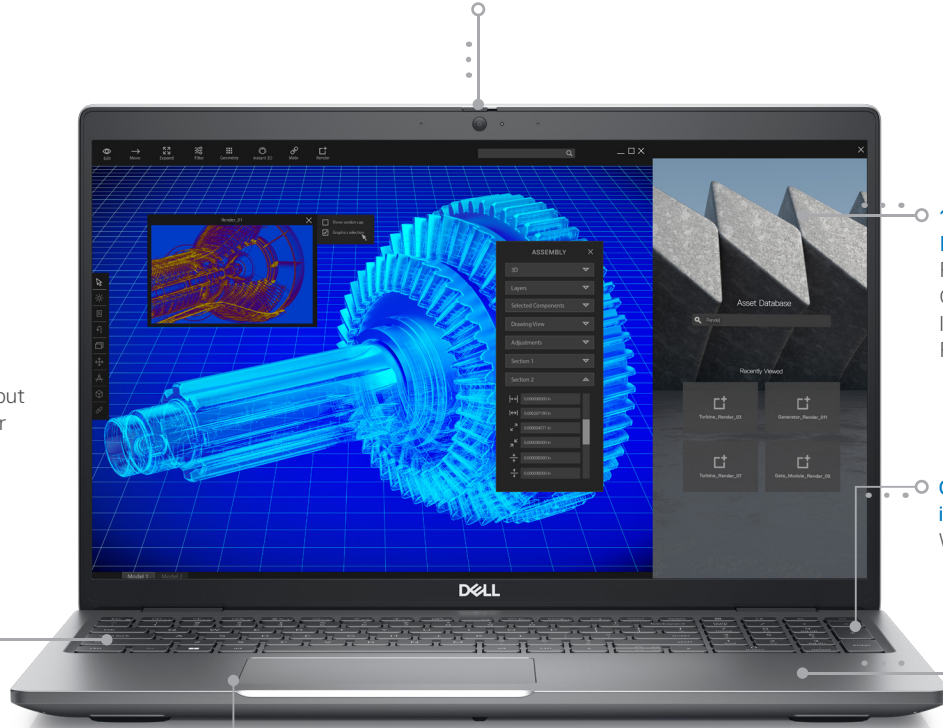**Up to 6-cell, 97 Whr, ExpressCharge™**

Intelligent performance
Latest professional grade components with up to Intel's 13th Gen Core i9, 14 Cores (6P+8E) processor (45W), NVIDIA RTX 2000 Ada Generation graphics (8GB), Gen 4 PCIe M.2 SSD (up to 4TB) storage, and up to 64GB of 4800MHz DDR5 memory (dual channel).

Wide variety of ports and input connections:
(2) Thunderbolt 4 Type C, (2) USB 3.2 Gen 1 (1x power enabled), HDMI 2.0, RJ-45, universal audio port, microSD-card slot, nano-sim slot (for WWAN configurations only), Smart Card (optional), Fingerprint reader (optional)

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ExpressCharge charges 80% in 1 hour+, charging 35% in 22 min++

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Mission critical reliability and Security

Independent Software Vendor (ISV) Certified
This provides peace of mind knowing that Dell works with many independent software vendors (ISVs) to provide an exceptional, seamless user experience. To Dell, it means hundreds of engineering man-hours and rigorous testing that have been poured into Dell Precision™ workstations to optimize performance and reliability with leading industry applications.

For a full list of ISV certifications, click here http://precisionworkstations.com/software-certification-lookup
…

Tested to US military specifications to guarantee durability (MIL-STD tested)
…

FIPS certified fingerprint and smartcard readers (optional)
…

Intelligent privacy and enhanced contextual privacy through camera

Immersive productivity and design

Exceptional battery life helps keep you productive, while ExpressCharge and ExpressCharge Boost gets you recharged quickly.
…

Has up to 5G mobile broadband, FirstNet Certified, Wi-Fi 6E (6 if 6E unavailable) and Bluetooth for flexible connectivity options.

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Dell Optimizer
We make it intelligent. You make it yours.

In a work-from-anywhere world, powering the world's most intelligent business PCs* is not enough, Dell Optimizer is extending personalized intelligence to the rest of the Dell ecosystem.

Dell Optimizer lets you accomplish anything with built-in intelligence that learns and adapts to the way you work.

Elevate your work on the field with personalized performance extending from your Precision Mobile Workstation to the other Dell devices you use.

An intelligent ecosystem
Enjoy easy pairing and management of your Dell monitors and accessories with the integration of Dell Display Manager and Dell Peripheral Manager.

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

Improved app performance
ExpressResponse analyzes how you use your preferred apps to boost performance.

Be heard in the field
In busy, noisy environments, Intelligent Audio delivers sound and mic enhancements and reduces background noise using neural noise cancellation and voice isolation technology.

With Dell Optimizer, optimization and data collection follow a stringent process to ensure your privacy and security.

Click here to learn more about Dell Optimizer.

Simplified manageability
Elevate work experience with an easy-to-manage application that provides a seamless experience for both end-users and IT decision-makers.
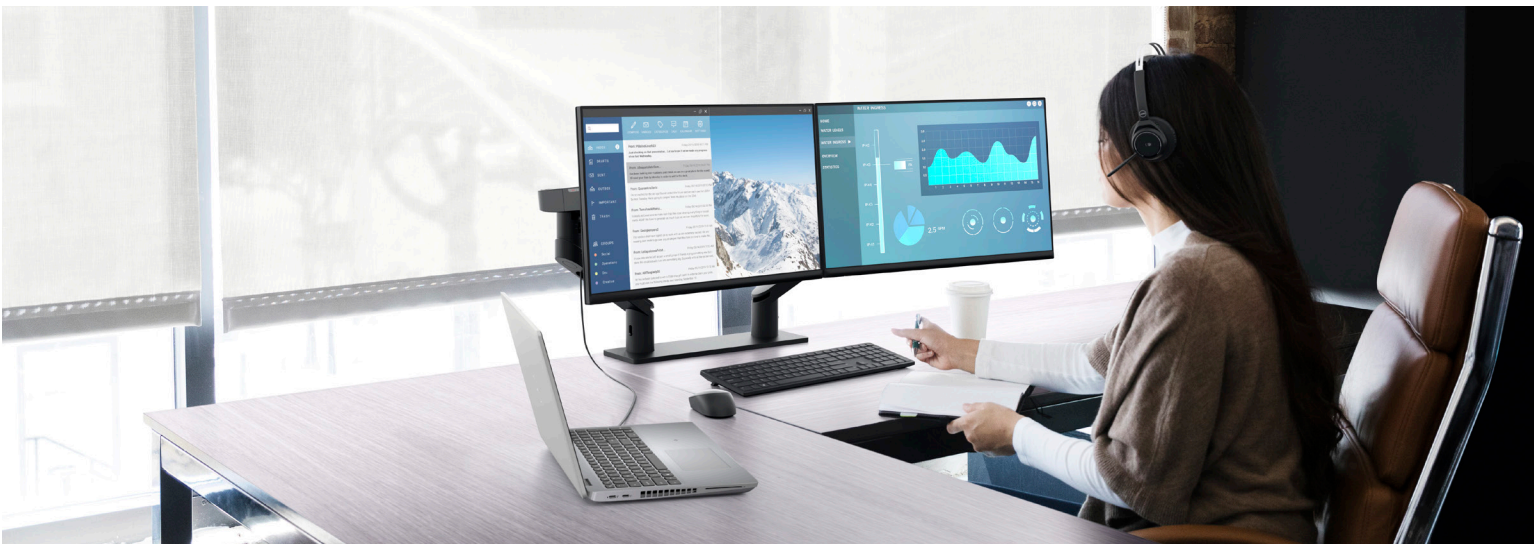
Unmatched connectivity
ExpressConnect provides the world's first simultaneous multi-network connection* that joins the best network available and provides faster download speeds.

^ Based on Dell Analysis. October 2022. For more details visit Guide to Bluetooth Security https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-121r2-upd1.pdf Dell Pair is available on select Dell accessories.

Dell Optimizer features vary per PC model and platform. Please refer to the Availability Matrix **for more details.**

MOBILE WORKSTATION SOLUTION

UltraSharp 34 Curved Monitor USB-C Hub - U3423WE

Large Single Display with USB Hub for increased productivity and reduce home office clutter.

Dell Pro Wireless Headset - WL5022

Work from anywhere with this Bluetooth Teams certified headset that lets you switch seamlessly to your PC or smartphone and enjoy crystal clear audio on the go.

Dell Thunderbolt 4 Dock - WD22TB4

Connect all monitors and peripherals into one device and deliver lighting fast charging with thunderbolt connectivity.

Dell Pro Wireless Keyboard and Mouse - KM5221W

Get productive with a quiet, full-size keyboard and mouse combo with programmable shortcuts and 36 months battery life.

Dell EcoLoop Pro Briefcase - CC5623

Designed for on-the-go productivity and protection, the Dell EcoLoop Pro Briefcase is made of eco-conscious material to complement any lifestyle.

Dell Pro Webcam - WB5023

Professional 2K QHD webcam with outstanding video quality and picture clarity, certified for Microsoft Teams and Zoom.

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FEATURE — TECHNICAL SPECIFICATION

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER	Precision 3581
PROCESSOR OPTIONS[1]	13th Generation Intel® Core™ i5-13600H Intel® vPro® Enterprise, 18 MB Cache, 12-Core, up to 4.8 GHz 13th Generation Intel® Core™ i7-13700H Intel® vPro® Essentials, 24 MB Cache, 14-Core, up to 5.0 GHz 13th Generation Intel® Core™ i7-13800H Intel® vPro® Enterprise, 24 MB Cache, 14-Core, up to 5.2 GHz 13th Generation Intel® Core™ i9-13900H Intel® vPro® Enterprise, 24 MB Cache, 14-Core, up to 5.4 GHz
OPERATING SYSTEM[1]	Windows 11 Home, 64-bit, Windows 10 downgrade capable Windows 11 Pro, 64-bit Windows 10 China G-SKU, 64-bit Ubuntu® 22.04 LTS, 64-bit
MEMORY OPTIONS[1,2,3]	8 GB, 1 x 8 GB, DDR5, 4800 MHz, single-channel 16 GB, 2 x 8 GB, DDR5, 4800 MHz, dual-channel 16 GB, 1 x 16 GB, DDR5, 4800 MHz, single-channel 32 GB, 2 x 16 GB, DDR5, 4800 MHz, dual-channel 64 GB, 2 x 32 GB, DDR5, 4800 MHz, dual-channel
STORAGE[1,5]	M.2 2230, 256 GB, PCIe NVMe Gen4 x4, SSD, Class 35 M.2 2230, 512 GB, PCIe NVMe Gen4 x4, SSD, Class 35 M.2 2230, 1 TB, PCIe NVMe Gen4 x4, SSD, Class 35 M.2 2230, 256 GB, PCIe NVMe Gen4 x4 SED, Class 35 M.2 2280, 512 GB, PCIe NVMe Gen4 x4, SSD, Class 40 M.2 2280, 1 TB, PCIe NVMe Gen4 x4, SSD, Class 40 M.2 2280, 2 TB, PCIe NVMe Gen4 x4, SSD, Class 40
VIDEO CARD	Intel® UHD Graphics with single-channel memory configurations Intel® Iris® Xe Graphics with dual-channel memory configurations NVIDIA® RTX A500, 4GB, GDDR6 NVIDIA® RTX A1000, 6GB, GDDR6 NVIDIA® RTX 2000 Ada Generation, 8GB, GDDR6
DISPLAY	15.6-inch, FHD 1920 x 1080, 60 Hz, anti-glare, non-touch, 45% NTSC, 250 nits, IPS 15.6-inch, FHD 1920 x 1080, 60 Hz, anti-glare, touch, 45% NTSC, 250 nits, IPS 15.6-inch, FHD 1920 x 1080, 60 Hz, anti-glare, non-touch, 100% sRGB, 400 nits, IPS, low blue light, super low power
CASE COLOR	Titan Gray
PRODUCTIVITY SOFTWARE[1]	Dell Command | Update (DCU) Dell Digital Delivery - Cirrus Client Dell Optimizer Excalibur MS Office MS Office - single language MS Office Home Business Non-Premium (Japan) MS Office Personal Non-Premium (Japan) MS Office Pro Non-Premium (Japan) SupportAssist
SECURITY SOFTWARE	McAfee® Generic Build 30-day Commercial McAfee® Generic Build 30 day Commercial JPN
WARRANTY[9,10]	1-year hardware warranty with on-site/in-home service after remote diagnosis 2-year hardware warranty with on-site/in-home service after remote diagnosis 3-year hardware warranty with on-site/in-home service after remote diagnosis 4-year hardware warranty with on-site/in-home service after remote diagnosis 5-year hardware warranty with on-site/in-home service after remote diagnosis 1-year ProSupport Suite 2-year ProSupport Suite 3-year ProSupport Suite 4-year ProSupport Suite 5-year ProSupport Suite 2-year Data and Protective Services Extended Battery Services (EBS) - FRU Batteries Only 3-year Data and Protective Services Extended Battery Services (EBS) - FRU Batteries Only
ACCIDENTAL DAMAGE SERVICES	1-year Accidental Damage Service 2-year Accidental Damage Service 3-year Accidental Damage Service 4-year Accidental Damage Service 5-year Accidental Damage Service
ACCIDENTAL DAMAGE SERVICES	1-year Accidental Damage with Theft Service 2-year Accidental Damage with Theft Service 3-year Accidental Damage with Theft Service 4-year Accidental Damage with Theft Service

FEATURE	TECHNICAL SPECIFICATION
	5-year Accidental Damage with Theft Service 1-year Accidental Damage Protection 2-year Accidental Damage Protection 3-year Accidental Damage Protection 4-year Accidental Damage Protection 5-year Accidental Damage Protection
KEYBOARD[1]	English US, Standard, non-backlit keyboard with numpad, 99 keys English US, Standard, backlit keyboard with numpad, 99 keys English UK, Standard, non-backlit keyboard with numpad, 100 keys English UK, Standard, backlit keyboard with numpad, 100 keys Japan, Standard, non-backlit keyboard with numpad, 103 keys Japan, Standard, backlit keyboard with numpad, 103 keys Canada bilingual (MUI), Standard, backlit keyboard, 99 keys French-Canadian Quebec, Standard, non-backlit keyboard, 100keys French-Canadian, Standard, backlit keyboard, 99keys Keyboards are spill resistant.
PORTS	RJ-45 Ethernet port USB 3.2 Gen 1 port USB 3.2 Gen 1 port with PowerShare (2) Thunderbolt™ 4 port with DisplayPort Alt Mode/USB Type-C/USB4/ Power Delivery HDMI 2.0 port Universal audio port
SLOTS	MicroSD-card slot Wedge shaped lock slot Smart card reader slot (optional) Nano-SIM slot (For WWAN configurations only)
DIMENSIONS	**US Dimensions** Height (rear): 0.97 in. (24.70 mm) Height (front): 0.89 in. (22.70 mm) Width: 14.09 in. (357.80 mm) Depth: 9.19 in. (233.30 mm) Starting weight (Minimum): 3.96 lb (1.795 kg) **ROW Dimensions** Height (rear): 24.70mm(0.97 in.) Height (front): 22.70mm (0.89 in.) Width: 357.80 mm (14.90 in.) Depth: 233.30 mm (9.19 in.) Starting weight (Minimum): 1.795 kg (3.96 lb)
CAMERA	FHD RGB camera, 1080p at 30 fps, Dual-array microphones FHD RGB+IR camera, 1080p at 30 fps, Dual-array microphones FHD RGB+IR camera, 1080p at 30 fps, Dual-array microphones, Ambient Light Sensor, Human presence detection and intelligent privacy
AUDIO & SPEAKERS[1]	Stereo speakers with Realtek Waves, MaxxAudio 12.0, 2 W x 2 W = 4 W total
WIRELESS	**WLAN:** Intel® AX211, 2x2 MIMO, 2400 Mbps, up to 6 GHz, Wi-Fi 6E (6 if 6E unavailable) (WiFi 802.11ax), Bluetooth 5.3 Realtek RTL8852BE, 2x2 MIMO, 1201 Mbps, 2.4/5 GHz, Wi-Fi 6, (WiFi 802.11ax), Bluetooth 5.3 **WWAN:** 4G Intel XMM 7560R Global LTE-Advanced Pro Intel® 5000 Global 5G Modem, FirstNet Certified
PRIMARY BATTERY	4-cell, 64 Whr, ExpressCharge™ 4-cell, 64 Whr, Long Cycle Life, ExpressCharge™, 3-years Warranty 6-cell, 97 Whr, ExpressCharge™
POWER	**Integrated Graphics only:** 100 W AC adapter, USB-C, EPEAT **Discrete Graphics:** 130 W AC adapter, USB-C, EPEAT
REGULATORY[8,12]	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Dell and the Environment
CHIPSET	13th Generation Intel RPL-H Series
INTEL RESPONSIVENESS TECHNOLOGIES	Intel® Rapid Strorage Technology
HARDWARE SECURITY	Trusted Platform Module (TPM) 2.0 discrete FIPS 140-2 certification for TPM TCG Certificatication for TPM (Trusted Computing Group) Finger Print Reader in Power Button tied to ControlVault 3 ControlVault 3 Advanced Authentication with FIPS 140-2 Level 3 Certification Contacted Smart Card and ControlVault 3 Contactless Smart Card, NFC, and ControlVault 3 SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL Dell Thunderbolt 4 Dock - WD22TB4

FEATURE TECHNICAL SPECIFICATION

SENSORS Ambient Light Sensor
Accelerometer in the base: ST Micro LIS2DW12TR
Accelerometer in the hinge-up (Upsell config with Emza/
ALS/IR camera): ST Micro LNG2DMTR

SYSTEMS MANAGEMENT Dell Power Manager (DPM) verison 3.0 or later
BIOS complies to Dell SMBIOS implementation spec (DSIS)
SW and Drivers MUP/DUP compliant
Dell Command | Configure (DCC) version 4.0 or later
Dell Command | Monitor (DCM) verison 10.0 or later
Dell Command | Update (DCU) version 3.0 or later

Dell Command | Update Catalog (DCUC)
Dell Command | Deploy (DCP)
Dell Command | Integration Suite for System Center (DCIS)
version 5.0
Dell Command | Intel® vPro™ Out of Band (DCIV)
Dell Command | PowerShell Provider version 2.0 or later
Dell Command | Deploy Driver Pack Catalog version 1.0
or later

Note: Not all specs may be available in each regions. Please reach out to your Dell Sales Representation, as needed.

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Sustainability on Dell Precision 3581

Delivering innovative technology and solutions to reduce our environmental impact, for ourselves and our customers.

Sustainable Materials

Our use of sustainable materials helps reduce the environmental impact of making and recycling them.[+]

- 20% carbon fiber in the lid of the product
- Recycled plastics in multiple locations of the product[++]
- 28% ocean bound plastic in fan-housing
- Tall oil-based plastic in the lid (21%), castor oil-based rubber in the feet of the product (42%)
- 50% recycled copper in AC adapter cable

[++]90% recycled plastics in AC adapter exterior, 50% PCR [palm rest, inner frame, bezel, battery frame], 35% PCR [SSD frame], 30% PCR [lid, speaker housing, LCD cover antenna window]

Packaging Innovation

Ships in new enhanced **100% recycled or renewable packaging that is also 100% recyclable**.[+++] Multipack shipping available on eligible products.

Ecolabels

Eco-labeling standards drive sustainability further by helping customers understand electronic products and the companies that make them. This product meets the following standards:

Recycle

Securely and responsibly retire your IT equipment with Dell regardless of brand, in support of a circular economy. Learn more at Dell.com/Recycle

See how we are reducing the impact of our products and solutions
Dell.com/Sustainable-Devices

DELLTechnologies