Precision 3571

Technical Guidebook

Regulatory Model: P104F
Regulatory Type: P104F007/P104F008
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Notes, cautions, and warnings

NOTE: A NOTE indicates important information that helps you make better use of your product.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Contents

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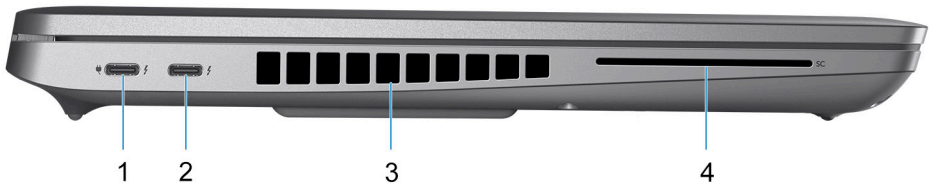
Views of Precision 3571

Right

1. microSD-card slot
2. Headset (headphone and microphone combo) port
3. USB 3.2 Gen 1 port
4. USB 3.2 Gen 1 port with PowerShare
5. HDMI 2.0 port
6. RJ45 Ethernet port (flip-down)
7. Wedge-shaped lock slot

Left

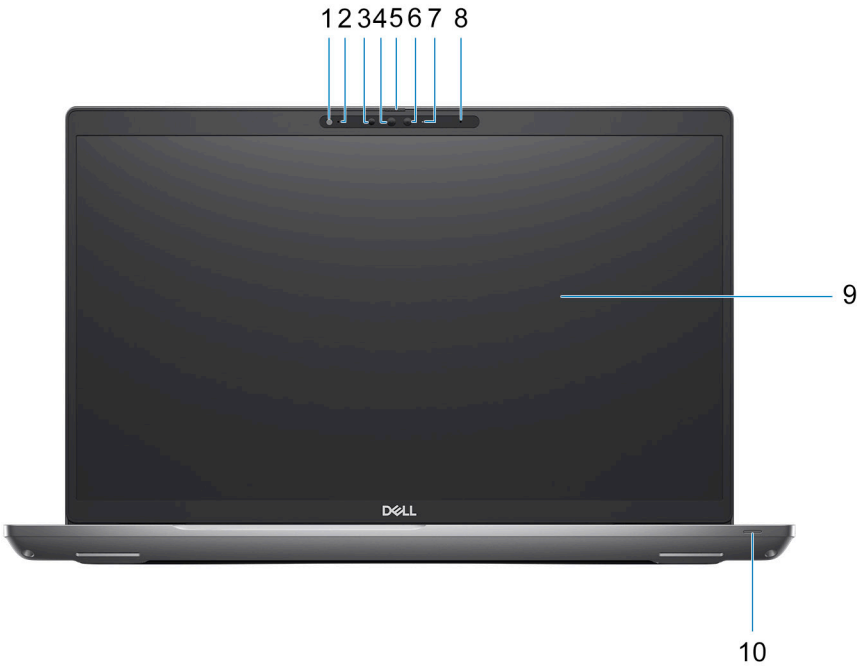


1. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
2. Thunderbolt 4 ports with DisplayPort Alt Mode/USB4/Power Delivery
3. Air vents
4. Smart-card reader slot (optional)

Top

1. Power button with fingerprint reader (optional)
2. Keyboard
3. Contactless smart card reader (optional)
4. Clickpad

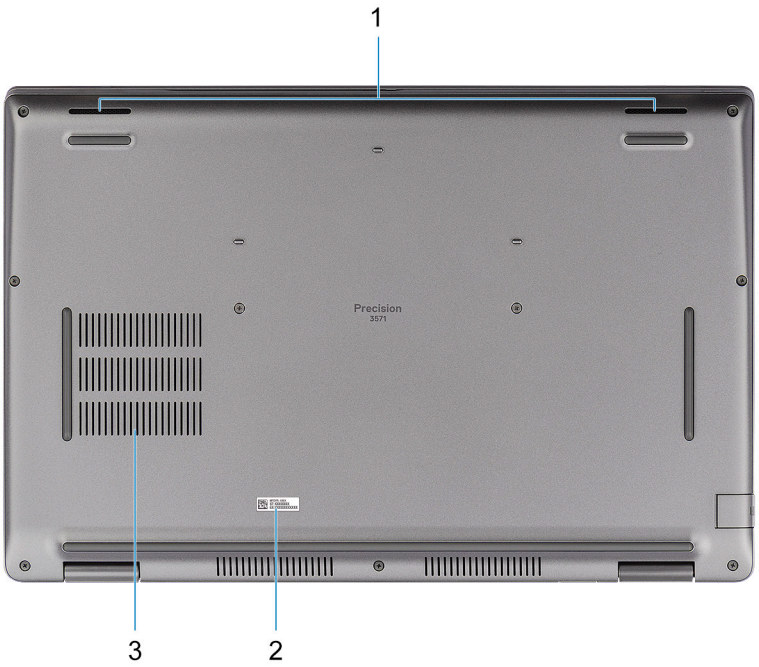
Front



1. Ambient Light Sensor (ALS)
2. Microphone

3. IR emitter
4. IR camera
5. Camera shutter
6. RGB camera
7. Camera indicator LED
8. Microphone
9. LCD panel
10. Battery indicator/diagnostics LED

Bottom



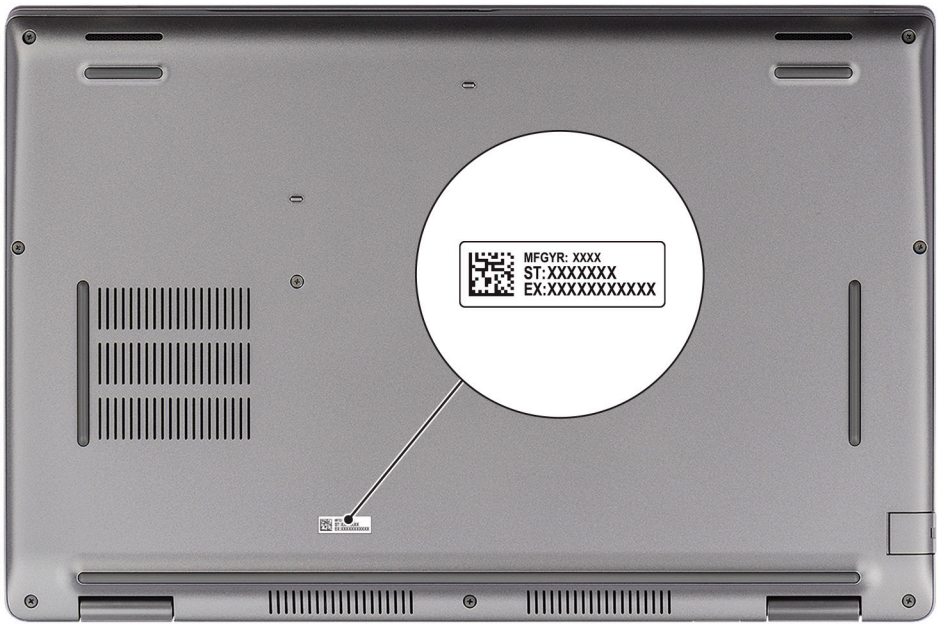
1. Speakers
2. Service tag label
3. Air vents

Back

1. microSIM-card slot

Service Tag

The service tag is a unique alphanumeric identifier that allows Dell service technicians to identify the hardware components in your computer and access warranty information.



Battery charge and status light

The following table lists the battery charge and status light behavior of your Precision 3571.

Table 1. Battery charge and status light behavior

Power Source	LED Behavior	System Power State	Battery Charge Level
AC Adapter	Off	S0 - S5	Fully Charged
AC Adapter	Solid White	S0 - S5	< Fully Charged
Battery	Off	S0 - S5	11-100%
Battery	Solid Amber (590+/-3 nm)	S0 - S5	< 10%

- S0 (ON) - System is turned on.
- S4 (Hibernate) - The system consumes the least power compared to all other sleep states. The system is almost at an OFF state, expect for a trickle power. The context data is written to hard drive.
- S5 (OFF) - The system is in a shutdown state.

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Specifications of Precision 3571

Dimensions and weight

The following table lists the height, width, depth, and weight of your Precision 3571.

Table 2. Dimensions and weight

Description	Values
Height:	
Front height	22.67 mm (0.89 in.)
Rear height	24.05 mm (0.95 in.)
Width	357.80 mm (14.09 in.)
Depth	233.30 mm (9.19 in.)
Weight **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.	1.79 kg (3.94 lbs.)

Processor

The following table lists the details of the processors supported by your Precision 3571.

Table 3. Processor

Description	Option one	Option two	Option three	Option four	Option five
Processor type	12th Generation Intel Core i5-12500H	12th Generation Intel vPro Enterprise with Intel Core i5-12600H	12th Generation Intel vPro Essentials with Intel Core i7-12700H	12th Generation Intel vPro Enterprise with Intel Core i7-12800H	12th Generation Intel vPro Enterprise with Intel Core i9-12900H
Processor wattage	45 W	45 W	45 W	45 W	45 W
Processor core count	12	12	14	14	14
Processor thread count	16	16	20	20	20
Processor speed	2.50 GHz to 4.50 GHz	2.70 GHz to 4.50 GHz	2.30 GHz to 4.70 GHz	2.40 GHz to 4.80 GHz	2.50 GHz to 5.00 GHz
Processor cache	18 MB	18 MB	24 MB	24 MB	24 MB
Integrated graphics	• Intel Iris Xe Graphics	• Intel Iris Xe Graphics	• Intel Iris Xe Graphics	• Intel Iris Xe Graphics	• Intel Iris Xe Graphics

Chipset

The following table lists the details of the chipset supported by your Precision 3571.

Table 4. Chipset

Description	Values
Chipset	Intel H45
Processor	12th Generation Intel Core i5/i7/i9
DRAM bus width	• 64-bit (for dual-channel)
Flash EPROM	• 32 MB for non-vPro • 32 MB + 16 MB for vPro
PCIe bus	• Up to Gen 5.0 (CPU) • Up to Gen 4.0 (PCH)

Operating system

Your Precision 3571 supports the following operating systems:

- windows 11 Home
- Windows 11 Pro
- Windows 11 Pro National Academic
- Windows 11 Pro Downgrade (Windows 10 Pro Image-factory installed)
- Red Hat Enterprise Linux 8.4 (webpost only)
- Ubuntu 20.04 LTS,

Memory

The following table lists the memory specifications of your Precision 3571.

Table 5. Memory specifications

Description	Values
Memory slots	Two-SoDIMM
Memory type	DDR5
Memory speed	4800 MHz
Maximum memory configuration	64 GB
Minimum memory configuration	8 GB
Memory size per slot	8 GB, 16 GB, 32 GB
Memory configurations supported	• 8 GB, 1 x 8 GB, DDR5, 4800 MHz • 16 GB, 1 x 16 GB, DDR5, 4800 MHz • 16 GB, 2 x 8 GB, DDR5, 4800 MHz, dual-channel • 32 GB, 1 x 32 GB, DDR5, 4800 MHz • 32 GB, 2 x 16 GB, DDR5, 4800 MHz, dual-channel • 64 GB, 2 x 32 GB, DDR5, 4800 MHz, dual-channel

External ports

The following table lists the external ports of your Precision 3571.

Table 6. External ports

Description	Values
Network port	One RJ45 Ethernet port (flip down)
USB ports	• One USB 3.2 Gen 1 port • One USB 3.2 Gen 1 port with PowerShare • Two Thunderbolt™ 4 ports with DisplayPort Alt Mode/ USB4/Power Delivery
Audio port	One headset (headphone and microphone combo) port
Video port	One HDMI 2.0 port
Media-card reader	One microSD-card slot
SIM-card slot	One microSIM-card slot
Power-adapter port	USB Type-c power input
Security-cable slot	One wedge-shaped lock slot

Internal slots

The following table lists the internal slots of your Precision 3571.

Table 7. Internal slots

Description	Values
SATA	One SATA 3.0 slot for 2.5-inch hard drive
M.2	• One M.2 2230 slot for WiFi and Bluetooth card • One M.2 2230/2280 slot for solid-state drive • M.2 3042/3052 Key-B slot for WWAN (optional) **NOTE:** To learn more about the features of different types of M.2 cards, see the knowledge base article 000144170 at www.dell.com/support.

Ethernet

The following table lists the wired Ethernet Local Area Network (LAN) specifications of your Precision 3571.

Table 8. Ethernet specifications

Description	Values
Model number	Intel i219-LM
Transfer rate	10/100/1000 Mbps

Wireless module

The following table lists the Wireless Local Area Network (WLAN) module specifications of your Precision 3571.

Table 9. Wireless module specifications

Description	Option one	Option two	Option three
Model number	Realtek RTL8822CE	Intel AX211	Intel AX211
Transfer rate	Up to 867 Mbps	Up to 2400 Mbps	Up to 2400 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz/6 GHz	2.4 GHz/5 GHz/6 GHz
Wireless standards	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)	• WiFi 802.11a/b/g • Wi-Fi 4 (WiFi 802.11n) • Wi-Fi 5 (WiFi 802.11ac) • Wi-Fi 6E (WiFi 802.11ax)
Encryption	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP	• 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.0	Bluetooth 5.2	No Bluetooth

WWAN module

The following table lists the Wireless Wide Area Network (WWAN) module supported on your Precision 3571.

Table 10. WWAN module specifications

Description	Option one	Option two
Model number	Intel XMM 7360 Global LTE-Advanced	Intel 5000 Global 5G Modem
Transfer rate	Up to 450 Mbps DL/50 Mbps UL (Cat 9) Up to 50 Mbps UL	• SA: DL 4.67 Gbps/ UL 1.25 Gbps • NSA: DL 3.74 Gbps/ UL 700 Mbps • LTE: DL 1.6 Gbps (CAT19)/ UL 150 Mbps • UMTS: DL 384 kbps/ UL 384 kbps/DL DC-HSPA+:42 Mbps (CAT24)/ UL 11.5 Mbps (CAT7)
Frequency bands supported	• LTE(B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B17, B18, B19, B20, B21, B26, B28, B29, B30, B38, B39, B40, B41, B66) • HSPA+ (1, 2, 4,5, 8)	• NR(n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) • LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71*) • WCDMA/HSPA+ (1, 2, 4, 5, 8)
Wireless standards	LTE FDD/TDD, WCDMA/HSPA+, GNSS/ Beidou	NR FR1(Sub6) FDD/TDD, LTE FDD/ TDD, WCDMA/HSPA+, GPS/GLONASS/ Beidou/Galileo
Encryption	Not supported	Not supported

Table 10. WWAN module specifications (continued)

Description	Option one	Option two
Global Navigation Satellite System (GNSS)	Supports GPS, BDS, and GLONASS	Supports GPS, BDS, and GLONASS
NOTE: For instructions on how to find your computer's IMEI (International Mobile Station Equipment Identity) number, see the knowledge base article 000143678 at www.dell.com/support.		

Audio

The following table lists the audio specifications of your Precision 3571.

Table 11. Audio specifications

Description		Values
Audio controller		Realtek ALC3204 with Waves MaxxAudio Pro
Stereo conversion		24-bit Digital-to-Analog (DAC) and Analog-to-Digital (ADC)
Internal audio interface		High definition audio interface
External audio interface		Universal audio jack
Number of speakers		Two
Internal-speaker amplifier		Supported (audio codec integrated)
External volume controls		Keyboard shortcut controls
Speaker output:		
	Average speaker output	2 W
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Dual-array microphones

Storage

This section lists the storage options on your Precision 3571.

Table 12. Storage matrix

Storage			SSD 1	SSD 2	2.5-inch hard drive
2.5-inch hard drive			No	No	Yes
M.2 SSD Boot			Yes	No	No
M.2 SDD Boot		2.5-inch hard drive	Yes	No	Yes
M.2 SSD Boot		M.2 SSD	Yes	Yes	No
M.2 SSD Boot		M.2 SSD	Yes	Yes	No
M.2 SSD Boot	M.2 SSD	2.5-inch hard drive	Yes	Yes	Yes

Table 12. Storage matrix (continued)

Storage			SSD 1	SSD 2	2.5-inch hard drive
M.2 SSD Boot		M.2 SSD	Yes with RAID0 or RAID1	Yes with RAID0 or RAID1	No
M.2 SSD Boot		M.2 SSD	Yes with RAID0 or RAID1	Yes with RAID0 or RAID1	No
M.2 SSD Boot	M.2 SSD	2.5-inch hard drive	Yes with RAID0 or RAID1	Yes with RAID0 or RAID1	Yes

The primary drive of your Precision 3571 varies with the storage configuration. For computers:

- With a M.2 drive, the M.2 drive is the primary drive
- Without a M.2 drive, the 2.5-inch hard drive is the primary drive

NOTE: Systems shipped with a 6-cell battery do not support the optional 2.5-inch SATA hard drive.

Table 13. Storage specifications

Storage type	Interface type	Capacity
2.5-inch, 5400 RPM, HDD	SATA AHCI, up to 6 Gbps	2 TB
2.5-inch, 7200 RPM, HDD	SATA AHCI, up to 6 Gbps	up to 1 TB
2.5-inch, 7200 RPM, HDD, self-encrypting, Opal 2.0, FIPS	SATA AHCI, up to 6 Gbps	500 GB
M.2 2230, Class 35 SSD	PCIe NVMe Gen3 x4/Gen4 x4	256 GB
M.2 2230, Class 35 SSD, self-encrypting drive	PCIe NVMe Gen3 x4/Gen4 x4	256 GB
M.2 2230, Class 35 SSD	PCIe NVMe Gen3 x4/Gen4 x4	512 GB
M.2 2280, Class 40 SSD	PCIe NVMe Gen4 x4	Up to 2 TB
M.2 2280, Class 40 SSD, self-encrypting drive	PCIe NVMe Gen3 x4	1 TB

Media-card reader

The following table lists the media cards supported by your Precision 3571.

Table 14. Media-card reader specifications

Description	Values
Media-card type	One microSD-card 4.0
Media-cards supported	• Micro Secure Digital (mSD) • Micro Secure Digital High Capacity (mSDHC) • Micro Secure Digital Extended Capacity (mSDXC)
NOTE: The maximum capacity supported by the media-card reader varies depending on the standard of the media card installed in your computer.	

Keyboard

The following table lists the keyboard specifications of your Precision 3571.

Table 15. Keyboard specifications

Description	Values
Keyboard type	• Standard backlit keyboard • Standard non-backlit keyboard
Keyboard layout	QWERTY
Number of keys	• United States and Canada: 99 keys • United Kingdom: 100 keys • Japan: 103 keys
Keyboard size	X=18.05 mm key pitch Y=18.05 mm key pitch
Keyboard shortcuts	Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. To type the alternate character, press Shift and the desired key. To perform secondary functions, press Fn and the desired key. **NOTE:** You can define the primary behavior of the function keys (F1–F12) changing **Function Key Behavior** in BIOS setup program. For more information, see Keyboard shortcuts

Camera

The following table lists the camera specifications of your Precision 3571.

Table 16. HD RGB camera specifications

Description		Values
Number of cameras		One
Camera type		HD RGB camera
Camera location		Front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	1 megapixel
	Video	1280 x 720 (VGA/HD) at 30 fps
Diagonal viewing angle:		
	Camera	78.6 degrees

Table 17. FHD RGB + IR camera specifications

Description	Values
Number of cameras	One

Table 17. FHD RGB + IR camera specifications (continued)

Description		Values
Camera type		FHD RGB camera/FHD Infrared camera
Camera location		Front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.07 megapixel
	Video	1920 x 1080 (VGA/FHD) at 30 fps
Infrared camera resolution:		
	Still image	0.23 megapixel
	Video	640 x 360 (VGA/FHD) at 15 fps
Diagonal viewing angle:		
	Camera	87.6 degrees
	Infrared camera	87.6 degrees

Table 18. FHD RGB + IR camera, Express Sign-In (EMZA) camera specifications

Description		Values
Number of cameras		One
Camera type		FHD RGB camera/FHD Infrared camera with EMZA
Camera location		Front camera
Camera sensor type		CMOS sensor technology
Camera resolution:		
	Still image	2.07 megapixel
	Video	1920 x 1080 (VGA/FHD) at 30 fps
Infrared camera resolution:		
	Still image	0.23 megapixel
	Video	640 x 360 (VGA/FHD) at 15 fps
Diagonal viewing angle:		
	Camera	87.6 degrees
	Infrared camera	87.6 degrees

Clickpad

The following table lists the clickpad specifications of your Precision 3571.

Table 19. Clickpad specifications

Description		Values
Clickpad resolution:		>300 dpi
Clickpad dimensions:		
	Horizontal	115 mm (4.53 in.)
	Vertical	67 mm (2.64 in.)
Clickpad gestures		For more information about clickpad gestures available on Windows, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

The following table lists the power adapter specifications of your Precision 3571.

Table 20. Power adapter specifications

Description		Option one	Option two
Type		90 W AC adapter, USB-C **NOTE:** 90 W is supported only in UMA configuration	130 W AC adapter, USB-C
Power-adapter dimensions:			
	Height	22 mm (0.87 in.)	22 mm (0.87 in.)
	Width	66 mm (2.60 in.)	66 mm (2.60 in.)
	Depth	130 mm (5.12 in.)	143 mm (5.63 in.)
Input voltage		100 VAC–240 VAC	100 VAC–240 VAC
Input frequency		50 Hz–60 Hz	50 Hz–60 Hz
Input current (maximum)		1.50 A	1.80 A
Output current (continuous)		• 20 V/4.50 A • 15 V/3 A • 9 V/3 A • 5 V/3 A	6.50 A/1.00 A
Rated output voltage		• 20 VDC • 15 VDC • 9 VDC • 5 VDC	• 20 VDC • 5 VDC
Temperature range:			
	Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)

Table 20. Power adapter specifications (continued)

Description		Option one	Option two
	Storage	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)

CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.

Battery

The following table lists the battery specifications of your Precision 3571.

NOTE: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer and then restart your computer to reduce the power consumption.

Table 21. Battery specifications

Description		Option one	Option two	Option three
Battery type		4-cell 64 WHr, Polymer, Long Cycle Life, ExpressCharge capable	4-cell 64 WHr, Polymer, non-Long Cycle Life, ExpressCharge capable	6 Cell 97 WHr ExpressCharge capable
Battery voltage		15.20 V	15.20 V	11.40 VDC
Battery weight (maximum)		0.283 kg (0.62 lb)	0.283 kg (0.62 lb)	0.429 kg (0.95 lb)
Battery dimensions:				
	Height	7.60 mm (0.30 in.)	7.60 mm (0.30 in.)	7.70 mm (0.30 in.)
	Width	226.60 mm (8.92 in.)	226.60 mm (8.92 in)	332 mm (13.07 in.)
	Depth	81.40 mm (0.22 in.)	81.40 mm (0.22 in)	82.00 mm (3.22 in.)
Temperature range:				
	Operating	• Charge: 0 °C to 45 °C, 32 °F to 113 °F • Discharge: 0 °C to 70 °C, 32 °F to 158 °F	• Charge: 0 °C to 45 °C, 32 °F to 113 °F • Discharge: 0 °C to 70 °C, 32 °F to 158 °F	• Charge: 0 °C to 50 °C, 32 °F to 122 °F • Discharge: 0 °C to 70 °C, 32 °F to 158 °F
	Storage	-20°C (-4°F) to 65°C (149°F)	-20°C (-4°F) to 65°C (149°F)	-20°C to 60°C (-4°F to 140°F)
Battery operating time		Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Battery charging time (approximate) **NOTE:** Control the charging time, duration, start and end time, and so on using the Dell Power Manager application. For more information on the Dell Power Manager		___ hours (when the computer is off)	TBD hours (when the computer is off)	TBD hours (when the computer is off)

Table 21. Battery specifications (continued)

Description	Option one	Option two	Option three
see, *Me and My Dell* on www.dell.com.			
Coin-cell battery	CR2032	CR2032	CR2032
CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components. **CAUTION: Dell recommends that you charge the battery regularly for optimal power consumption. If your battery charge is completely depleted, connect the power adapter, turn on your computer, and then restart your computer to reduce the power consumption.**			

Display

The following table lists the display specifications of your Precision 3571.

Table 22. Display specifications

Description	Option one	Option two	Option three	Option four	Option five
Display type	High Definition (HD)	Full High Definition (FHD)	Full High Definition (FHD)	Full High Definition (FHD), Super Low Power (SLP), Low Blue Light	Ultra High Definition (UHD), Super Low Power (SLP), Low Blue Light
Display-panel technology	Twisted Nematic (TN)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)	Wide Viewing Angle (WVA)
Display-panel dimensions (active area):					
Height	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)	193.60 mm (7.62 in.)
Width	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)	344.20 mm (13.55 in.)
Diagonal	394.91 mm (15.55 in.)	394.91 mm (15.55 in.)	394.91 mm (15.55 in.)	394.91 mm (15.55 in.)	394.91 mm (15.55 in.)
Display-panel native resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Luminance (typical)	220 nits	250 nits	250 nits	400 nits	400 nits
Megapixels	1.05	2.07	2.07	2.07	8.30
Color gamut	45% NTSC	45% NTSC	45% NTSC	100% sRGB	100% sRGB
Pixels Per Inch (PPI)	100	141	141	141	283
Contrast ratio (typ)	500:1	700:1	700:1	700:1	1000:1

Table 22. Display specifications (continued)

Description	Option one	Option two	Option three	Option four	Option five
Response time (min)	25 ms	25 ms	35 ms	35 ms	35 ms
Refresh rate	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Horizontal view angle	40/40 +/- degrees	85/85 +/- degrees	85/85 +/- degrees	85/85 +/- degrees	85/85 +/- degree
Vertical view angle	10(U)/30(D) +/- degrees	85(U)/85(D) +/- degrees	85(U)/85(D) +/- degrees	85(U)/85(D) +/- degrees	85(U)/85(D) +/- degree
Pixel pitch	0.252 x 0.252 mm	0.179 x 0.179 mm	0.179 x 0.179 mm	0.179 x 0.179 mm	0.0896 x 0.0896 mm
Power consumption (maximum)	4.20 W	4.20 W	4.20 W	4.60 W	4.5 W
Anti-glare vs glossy finish	Anti-glare	Anti-glare	Anti-glare	Anti-glare	Anti-glare
Touch options	No	No	Yes	No	No

Fingerprint reader (optional)

The following table lists the specifications of the optional fingerprint-reader of your Precision 3571.

Table 23. Fingerprint reader specifications

Description	Values
Fingerprint-reader sensor technology	Capacitive
Fingerprint-reader sensor resolution	508 dpi
Fingerprint-reader sensor pixel size	256 x 360

Sensor

The following table lists the sensor of your Precision 3571.

Table 24. Sensor

Sensor support
Accelerometer (ST Micro LIS2DW12TR): On the base (system board)
Accelerometer with Gyro (ST Micro LSM6DSOUSTR): On the hinge-up (optional-upsell configuration with EMZA/ALS/IR camera)
GPS (through WWAN card only, optional)
Adaptive thermal performance: requires 16-bit accelerometer
Free fall sensor: On the system board
Hall effect sensor
Sensor hub

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Precision 3571.

Table 25. GPU—Integrated

Controller	Memory size	Processor
• Intel Iris X^{e} Graphics (dual-channel memory)	Shared system memory	12th Generation Intel Core i5/i7/i9 processors

GPU—Discrete

The following table lists the specifications of the discrete Graphics Processing Unit (GPU) supported by your Precision 3571.

Table 26. GPU—Discrete

Controller	Memory size	Memory type
NVIDIA T600	4 GB	GDDR6
NVIDIA RTX A1000	4 GB	GDDR6
NVIDIA RTX A2000	8 GB	GDDR6

Multiple display support matrix

The following table lists the multiple display support matrix for your Precision 3571.

Table 27. Multiple display support matrix

Graphics Card	Direct Graphics Controller Direct Output Mode	Supported external displays with computer internal display on	Supported external displays with computer internal display off
Intel Iris X^{e} Graphics	Not applicable	3	4
NVIDIA T600	Not applicable	3	4
NVIDIA RTX A1000	Not applicable	3	4
NVIDIA RTX A2000	Not applicable	3	4

Hardware security

The following table lists the hardware security of your Precision 3571.

Table 28. Hardware security

Windows Hello - Fingerprint Reader (optional)
Trusted Platform Module (TPM) 2.0 FIPS 140-2 Certified
TCG Certification for TPM (Trusted Computing Group)
One wedge-shaped lock slot
Mechanical privacy shutter for camera
One Dell Lockable port cover (optional)
Control Vault 3 Advanced Authentication (optional) FIPS 140-2 Level 3 Certified

Table 28. Hardware security (continued)

Fingerprint Reader with Control Vault 3
Contacted Smartcard reader with Control Vault 3 (optional) FIPS 201 Certified
Contactless Smartcard, NFC/FPR with CV3 (optional)
Chassis Intrusion Detection
Battery Intrusion Detection
RPMC SPI Flash
SPI Flash Tamper Detection/Prevention Shunt Circuit
Dell Client Command Suite : On-Prem & Cloud Dell Optimizer
Dell Power Manager Support assist : PCs & OS Recovery (Excalibur)
Dell SafeBIOS - Off-Host Verification
Dell SafeBIOS - Indicator of Attack
Dell SafeID Vmware Carbon Black Endpoint: Standard, Advanced, Enterprise Absolute Visibility Absolute Control Absolute Resilience
Netskope Cloud Access
Security Broker (CASB)
Netskope Secure Web Gateway
Netskope Private Access
Optional Dell Data Security and Management Software
Dell Endpoint Security Suite Enterprise
Dell Data Guardian
Dell Encryption Enterprise
Dell Encryption Personal
Dell Threat Defense
MozyPro or MozyEnterprise®
RSA NetWitness Endpoint
RSA SecurID Access
VMware Workspace ONE
Absolute Endpoint Visibility and Control
Vmware Carbon Black Endpoint + Secureworks Threat Detection & Response
Carbonite
Dell Supply Chain Defense

Smart-card reader

Contactless smart-card reader

This section lists the contactless smart-card reader specifications of your Precision 3571.

Table 29. Contactless smart-card reader specifications

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
Felica Card Support	Reader and software capable of supporting Felica contactless cards	Yes
ISO 14443 Type A Card Support	Reader and software capable of supporting ISO 14443 Type A contactless cards	Yes
ISO 14443 Type B Card Support	Reader and software capable of supporting ISO 14443 Type B contactless cards	Yes
ISO/IEC 21481	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO/IEC 18092	Reader and software capable of supporting ISO/IEC 21481 compliant contactless cards and tokens	Yes
ISO 15693 Card Support	Reader and software capable of supporting ISO15693 contactless cards	Yes
NFC Tag Support	Supports reading and processing of NFC compliant tag information	Yes
NFC Reader Mode	Support for NFC Forum Defined Reader mode	Yes
NFC Writer Mode	Support for NFC Forum Defined Writer mode	Yes
NFC Peer-to-Peer Mode	Support for NFC Forum Defined Peer to Peer mode	Yes
EMVCo Compliant	Compliant with EMVCO smart card standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
NFC Proximity OS Interface	Enumerates NFP (Near Field Proximity) device for OS to utilize	Yes
PC/SC OS interface	Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers	Yes
Windows Certified	Device certified by Microsoft WHCK	Yes
Dell ControlVault support	Device connects to Dell ControlVault for usage and processing	Yes

Table 29. Contactless smart-card reader specifications (continued)

Title	Description	Dell ControlVault 3 contactless smart-card reader with NFC
FIDO2 compliance	Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC	Yes

NOTE: 125 Khz proximity cards are not supported.

Table 30. Supported cards

Manufacturer	Card
HID	jCOP readertest3 A card (14443a)
	1430 1L
	DESFire D8H
	iClass (Legacy)
	iClass SEOS
NXP/Mifare	Mifare DESFire 8K White PVC Cards
	Mifare Classic 1K White PVC Cards
	NXP Mifare Classic S50 ISO Card
G&D	idOnDemand - SCE3.2 144K
	SCE6.0 FIPS 80K Dual+ 1 K Mifare
	SCE6.0 nonFIPS 80K Dual+ 1 K Mifare
	SCE6.0 FIPS 144K Dual + 1K Mifare
	SCE6.0 nonFIPS 144K Dual + 1 K Mifare
	SCE7.0 FIPS 144K
Oberthur	idOnDemand - OCS5.2 80K
	ID-One Cosmo 64 RSA D V5.4 T=0 card

Contacted smart-card reader

The following table lists the contacted smart-card reader specifications of your Precision 3571.

Table 31. Contacted smart-card reader specifications

Title	Description	Dell ControlVault 3 smart-card reader
ISO 7816 -3 Class A Card Support	Reader capable of reading 5V powered smart mcard	Yes
ISO 7816 -3 Class B Card Support	Reader capable of reading 3V powered smart card	Yes
ISO 7816 -3 Class C Card support	Reader capable of reading 1.8V powered smart card	Yes
ISO 7816-1 Compliant	Specification for the reader	Yes
ISO 7816 -2 Compliant	Specification for smart card device physical characteristics (size, location of connection points, etc.)	Yes

Table 31. Contacted smart-card reader specifications (continued)

Title	Description	Dell ControlVault 3 smart-card reader
T=0 support	Cards support character level transmission	Yes
T=1 support	Cards support block level transmission	Yes
EMVCo Compliant	Compliant with EMVCo (for electronic payment standards) smart card standards as posted to www.emvco.com	Yes
EMVCo Certified	Formally certified based on EMVCO smart card standards	Yes
PC/SC OS interface	Personal Computer/Smart Card specification for integration of hardware readers into personal computer environments	Yes
CCID driver compliance	Common driver support for Integrated Circuit Card Interface Device for OS level drivers.	Yes
Windows Certified	Device certified by WHCK	Yes
FIPS 201 (PIV/HSPD-12) Compliant via GSA	Device compliant with FIPS 201/PIV/ HSPD-12 requirements	Yes
FIDO2 compliance	Dell ControlVault 3 Smart-card reader is compliant with the FIDO SPEC	Yes

Operating and storage environment

This table lists the operating and storage specifications of your Precision 3571.

Airborne contaminant level: G1 as defined by ISA-S71.04-1985

Table 32. Computer environment

Description	Operating	Storage
Temperature range	0°C to 35°C (32°F to 95°F)	-40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	0% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	1.30 GRMS
Shock (maximum)	110 G†	160 G†
Altitude range	-15.2 m to 3048 m (-49.87 ft to 10000 ft)	-15.2 m to 10668 m (-49.87 ft to 35000 ft)
CAUTION: Operating and storage temperature ranges may differ among components, so operating or storing the device outside these ranges may impact the performance of specific components.		

* Measured using a random vibration spectrum that simulates user environment.

† Measured using a 2 ms half-sine pulse.

3

Engineering specifications

Ethernet

Integrated Connection I219-LM/I219-V

Table 33. Integrated Connection I219-LM/I219-V

Data Rates supported	10/100/1000 Mbps
Controller Details	
Controller Bus Architecture	PCIe-based interface for S0 state, SMBus for Sx low power state
Wake On LAN	Wake-on-LAN and remote wake-up support (Magic Packet and Pattern Match)
Integrated Memory	N/A
Interface/BUS	PCIe x1
Data Transfer Mode (example: Bus-Master DMA)	N/A
Power Consumption (full operation per data rate connection speed)	542 mW (Max.)
Power Consumption (standby operation)	1000Mb/S Idle 439mW
IEEE Standards Compliance	802.3
Hardware Certifications	N/A
Boot ROM Support	EEPROM (located in SPI)
Network Transfer Mode	
10BASE-T (half-duplex)	10 Mb (full/half-duplex)
100BASE-TX (half-duplex)	100 Mb (full/half-duplex)
1000BASE-T (full-duplex)	1000 Mb (full-duplex)
Environmental	
Operating Temperature	0° C to 85° C (32° F to 185° F)
Operating Humidity	20% to 80% (non-condensing)
Operating System Driver Support	Win7 32/64 bit, Win 8.1/10 64 bit, Linux
Manageability	WOL, PXE
Management Capabilities Alerting	Intel vPro support with appropriate Intel chipset components

This term does not connote an actual operating speed of 1 Gb per sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

Wireless module

Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), No Bluetooth

The following table lists the Intel AX211 specifications.

Table 34. Intel AX211 specifications

Host interface	CNVi3 (Connectivity Integration 3rd generation)
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use, MU-MIMO, new 6GHz band
Wi-Fi Alliance certifications	Wi-Fi CERTIFIED 6, Wi-Fi CERTIFIED a/b/g/n/ac,WMM, WMM-Power Save, WPA2, WPA3, WPS, PMF,Wi-Fi Direct, Wi-Fi Agile Multiband **NOTE:** Other names and brands may be claimed as the property of others.
Operating frequency bands	• 2.4 Ghz • 5 Ghz • 6 Ghz
Data rate	• 2.4 GHz 40M: Up to 574 Mbps • 5/6 GHz 80M: Up to 1.2 Gbps • 5/6 GHz 160M: Up to 2.4 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Security methods	• WPA2 Personal and Enterprise • WPA3
Authentication protocols	• 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA)
Encryption	• 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP
Product safety	• UL • C-UL • CB (IEC60950-1)
Management capabilities alerting	Support for Intel AMT
Government compliance	• FIPS 140-2 • FISMA
Client utility	Intel PRO/Set wireless software v22 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	Supported
Wireless display	Native Miracast support by Windows

Table 34. Intel AX211 specifications (continued)

Wireless PAN standard	• Dual Mode Bluetooth 5.2 • BLE
Bluetooth data rates	NA
Bluetooth operating frequency bands	NA
Bluetooth profiles supported	NA
Bluetooth data encryption	NA
Bluetooth output power	NA
Operating temperature	0°C to + 50°C (Full performance at shield temperatures up to 80°C)
Storage temperature	-40°C to +70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25° C to 35° C)

Intel AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth 5.2

The following table lists the Intel AX211 specifications.

Table 35. Intel AX211 specifications

Host interface	CNVi3 (Connectivity Integration 3rd generation)
Network standard	IEEE 802.11a/b/g/n/ac/ax, 160MHz channel use, MU-MIMO, new 6GHz band
Wi-Fi Alliance certifications	Wi-Fi CERTIFIED 6, Wi-Fi CERTIFIED a/b/g/n/ac,WMM, WMM-Power Save, WPA2, WPA3, WPS, PMF,Wi-Fi Direct, Wi-Fi Agile Multiband **NOTE:** Other names and brands may be claimed as the property of others.
Operating frequency bands	• 2.4 GHz • 5 GHz • 6 GHz
Data rate	• 2.4 GHz 40M: Up to 574 Mbps • 5/6 GHz 80M: Up to 1.2 Gbps • 5/6 GHz 160M: Up to 2.4 Gbps
Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Security methods	• WPA2 Personal and Enterprise • WPA3
Authentication protocols	• 802.1X EAP-TLS • EAP-TTLS/MSCHAPv2 • PEAPv0 -MSCHAPv2 (EAP-SIM, EAP-AKA, EAP-AKA)
Encryption	• 64-bit and 128-bit WEP • TKIP • 128-bit AES-CCMP • 256-bit AES-GCMP

Table 35. Intel AX211 specifications (continued)

Product safety	• UL • C-UL • CB (IEC60950-1)
Management capabilities alerting	Support for Intel AMT
Government compliance	• FIPS 140-2 • FISMA
Client utility	Intel PRO/Set wireless software v22 and later
Antenna diversity	Supported
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	Supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	• Dual Mode Bluetooth 5.2 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Bluetooth output power	Power class 1
Operating temperature	0°C to + 50°C (Full performance at shield temperatures up to 80°C)
Storage temperature	-40°C to +70°C
Humidity	Up to 90% RH non-condensing (at temperatures of 25° C to 35° C)

Realtek RTL8822CE, 1x1, Wi-Fi 5 (WiFi 802.11ac), Bluetooth 5.0

The following table lists the Realtek RTL8822CE specifications.

Table 36. Realtek RTL8822CE specifications

Host interface	• Wi-Fi - PCIe • Bluetooth - USB
Network standard	IEEE 802.11a/b/g/n/ac, MU-MIMO
Wi-Fi Alliance certifications	• Wi-Fi certified a/b/g/n/ac • WMM • WPA • WPA2 • Wi-Fi Direct (Windows only)
Operating frequency bands	• 2.4 Ghz • 5 Ghz
Data rate	• 2.4 GHz 40M: Up to 300 Mbps • 5 GHz 80M: Up to 867 Mbps

Table 36. Realtek RTL8822CE specifications (continued)

Power consumption	Optimized power modes (sleep states) reduce power consumption during periods of inactivity
Authentication	• Open • Shared • WPA • WPA-PSK • WPA2 • WPA2-PSK
Client utility	Native Wi-Fi and Bluetooth Microsoft UI support
Software support	• Microsoft WHQL certified for Windows • Linux • Chrome
Radio On/Off	Supported
Roaming	Support seamless roaming between access points
Wake on wireless	supported
Wireless display	Native Miracast support by Windows
Wireless PAN standard	• Dual Mode Bluetooth 5.0 • BLE
Bluetooth data rates	Up to 3 Mbps
Bluetooth operating frequency bands	2.4 GHz
Bluetooth profiles supported	Support for Microsoft Inbox Bluetooth profiles in Windows
Bluetooth data encryption	128-bit encryption
Operating temperature	0°C to + 70°C
Storage temperature	-40°C to +85°C

WWAN module

Intel 5000 Global 5G Modem

The following table lists the Intel 5000 Global 5G Modem specifications.

Table 37. Intel 5000 Global 5G Modem specifications

Form factor	M.2 3052 Key-B
Host interface	PCIe Gen3
Network standard	• NR FR1(Sub6) FDD/TDD • LTE FDD/TDD • WCDMA/HSPA+ • GPS/GLONASS/Galileo/BDS/QZSS
Transfer rate	Up to 3Gbps DL/250 Mbps UL (3GPP Release15 NR/LTE CAT19)
Operating frequency bands	• NR(n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n77, n78, n79) • LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66)

Table 37. Intel 5000 Global 5G Modem specifications (continued)

	• WCDMA/HSPA+ (1, 2, 4, 5, 8)
Power supply	DC 3.135 V to 4.4 V, Typical 3.3 V
SIM card	Supported through external SIM slot
eSIM with Dual SIM (DSSA)	Supported **NOTE:** The availability of eSIM functionality embedded on the module is dependent on the region and specific carrier requirements.
Antenna diversity	Supported
Radio On/Off	Supported
Wake on wireless	Supported
Normal operating temperature	-10°C to +55°C
Extended operating temperature	-30°C to +75°C
Storage temperature	-40°C to +85°C
Antenna connector	• WWAN Antenna x 4 • Supports 4x4 MIMO

Intel XMM 7360 Global LTE-Advanced

The following table lists the Intel XMM 7360 Global LTE-Advanced specifications.

Table 38. Intel XMM 7360 Global LTE-Advanced specifications

Form factor	M.2 3042 Key-B
Host interface	• Windows - PCIe Gen1 • Chrome/Linux - USB 3.0/2.0
Network standard	• LTE FDD/TDD • WCDMA/HSPA+ • GNSS/Beidou
Transfer rate	• CAT9 - Up to 450 Mbps • UL - Up to 50 Mbps
Operating frequency bands	• LTE (B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B17, B18, B19, B20, B21, B26, B28, B29, B30, B38, B39, B40, B41, B66) • HSPA+ (1, 2, 4,5, 8)
Power supply	DC 3.135 V to 4.4 V, Typical 3.3 V
SIM card	Supported through external SIM slot
eSIM with Dual SIM (DSSA)	Not supported
Antenna diversity	Supported
Radio On/Off	Supported
Wake on wireless	Supported
Normal operating temperature	-10°C to +55°C
Extended operating temperature	-20°C to +65°C
Antenna connector	• WWAN Main Antenna X 1 • WWAN Diversity Antenna X 1

GPU—Integrated

Intel UHD Graphics

The following table lists the Intel UHD Graphics specifications.

Table 39. Intel UHD Graphics specifications

Bus type	Integrated graphics
Memory type	UMA
Graphics level	i5/i7/i9/Xeon: GT2 (UHD)
Estimated maximum power consumption (TDP)	45 W
Overlay planes	Yes
Operating systems graphics/ video API support	DirectX 12, OpenGL (4.5 from Intel CML POR)
Maximum vertical refresh rate	• HDMI 2.1: 4096 x 2160 @ 60 Hz, 24bpp (HDMI or optional USB Type-C to HDMI dongle) • Max Digital: 4096 x 2304 @ 60 Hz, 24bpp (mDP or DP 1.4 over Type-C Port)
External ports	• USB Type-C • mDP/HDMI (If no discrete graphics)
Multiple display support	Up to 4 displays via DisplayPort Multi-Streaming Technology (MST)

GPU—Discrete

NVIDIA T600, 4 GB GDDR6, low profile

The following table lists the NVIDIA T600.

Table 40. NVIDIA T600

Feature	Values
GPU	QN20-M3-R
Dedicated graphics memory	4 GB, GDDR6
Memory bus	128-bit
Memory config	256 M x 16
Width	Single slot
Approximate wattage	40 W
Base clock	735 MHz
Boost clock	2199 MHz
NVIDIA CUDA cores	640
G-Sync / Freesync ready	Yes
Supported APIs	• DirectX 12.07 • Shader Model 5.17

Table 40. NVIDIA T600 (continued)

Feature	Values
	• OpenGL 4.68 • Vulkan 1.2
Maximum resolution	• 4x 3840 x 2160 @ 120Hz • 4x 5120 x 2880 @ 60Hz • 2x 7680 x 4320 @ 60Hz
HDMI support	HDMI 2.0
HDCP support	HDCP 2.2
I/O ports	• 2 Thunderbolt ports with DisplayPort Alt mode/USB4 • 1 HDMI 2.0

NVIDIA RTX A1000, 4 GB, GDDR6

The following table lists the NVIDIA RTX A1000 specifications.

Table 41. NVIDIA RTX A1000 specifications

Feature	Values
GPU	QN20-P1-R
Cores	CUDA cores 2048, Tensor cores 64, RT cores 16
Memory bandwidth	224 Gbps
Memory type	GDDR6
Memory size	4 GB
Memory interface	128-bit
Memory configuration	4 x 8 GB (2CH x 256M x 16,14 Gbps)
GPU package	GB5B-128
TDP	• GPU - 65 W • Memory - 12 W
TGP	35-95 W
GPU base clock	TBD
GPU boost clock	TBD
Vram clock	6001 MHz
PCIe	Gen4 x 8
Display	eDP/mDP/HDMI/Type-C
eDP panel	FHD/UHD (HDR 400/600)
Maximum color depth	Up to 10 bit/color
Features	• Dynamic boost • Extension Display ID 2.0 • eDP DSC • Configurable TGP • Brightness adjustment under BIOS menu • DP-In/MUX switching • DDS (Hardware circuit reserved)

Table 41. NVIDIA RTX A1000 specifications (continued)

Feature	Values
VR	Dell VR Ready
Concurrency	• 80W - 70% CPU + 100% GPU • 90W - 55% CPU + 100% GPU
Operating Systems Graphics/Video API Support	• DirectX 12.0 • OpenGL 4.6 • DisplayPort 1.4 • DirectX 12.1
Supported resolutions and maximum refresh rates	• Max Digital : Single DisplayPort 1.4 - 7680 x 4320 (8k) @ 30 Hz (mDP/Type-C to DP) • Max Digital : Dual DisplayPort 1.4 - 7680 x 4320 (8k) @ 60Hz (mDP/Type-C to DP)
Number of displays supported	Up to 4 displays

NVIDIA RTX A2000-R, 8 GB, GDDR6

The following table lists the NVIDIA RTX A2000-R specifications.

Table 42. NVIDIA RTX A2000-R specifications

Feature	Values
GPU	QN20-P3-R
Cores	CUDA cores 2560, Tensor cores 80, RT cores 20
Memory bandwidth	224 Gbps
Memory type	GDDR6
Memory size	8 GB
Memory interface	128-bit
Memory configuration	4 x 8 GB (2CH x 256M x 16,14 Gbps)
GPU package	GB5B-128
TDP	• GPU - 65 W • Memory - 12 W
TGP	35-95 W
GPU base clock	TBD
GPU boost clock	TBD
Vram clock	6001 MHz
PCIe	Gen4 x 8
Display	eDP/mDP/HDMI/Type-C
eDP panel	FHD/UHD (HDR 400/600)
Maximum color depth	Up to 10 bit/color
Features	• Dynamic boost • Extension Display ID 2.0 • eDP DSC • Configurable TGP • Brightness adjustment under BIOS menu • DP-In/MUX switching

Table 42. NVIDIA RTX A2000-R specifications (continued)

Feature	Values
	• DDS (Hardware circuit reserved)
VR	Dell VR Ready
Concurrency	• 80W - 70% CPU + 100% GPU • 90W - 55% CPU + 100% GPU
Operating Systems Graphics/Video API Support	• DirectX 12.0 • OpenGL 4.6 • DisplayPort 1.4 • DirectX 12.1
Supported resolutions and maximum refresh rates	• Max Digital : Single DisplayPort 1.4 - 7680 x 4320 (8k) @ 30 Hz (mDP/Type-C to DP) • Max Digital : Dual DisplayPort 1.4 - 7680 x 4320 (8k) @ 60Hz (mDP/Type-C to DP)
Number of displays supported	Up to 4 displays

Video port and resolution matrix

The following table lists the Video port and resolution matrix of your Precision 3571.

Table 43. Video port and resolution matrix

Port type	DP++ 1.4/HDCP 2.3 port (UMA and Discrete Graphics)	HDMI-OUT port—HDMI 1.4b (UMA Graphics)	HDMI-OUT port—HDMI 2.0 (Discrete Graphics)
Maximum resolution—single display	4096 x 2304 @ 60 Hz	4096 x 2160 @ 30 Hz	4096 x 2160 @ 60 Hz
Maximum resolution—dual MST	4096 x 2304 @ 60 Hz, 1400 x 1050 @ 60 Hz or 2880 x 1800 @ 60 Hz, 2880 x 1800 @ 60 Hz	Not applicable	Not applicable
Maximum resolution—triple MST	4096 x 2304 @ 60 Hz, 1360 x 768 @ 60 Hz, 640 x 480 @ 60 Hz or 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz, 2304 x 1440 @ 60 Hz	Not applicable	Not applicable

Storage

2.5-inch, 1 TB, 5400 RPM, SATA, HDD

Table 44. 2.5-inch, 1 TB, 5400 RPM, SATA, HDD specifications

Capacity	1 TB
Speed	5400 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours

Table 44. 2.5-inch, 1 TB, 5400 RPM, SATA, HDD specifications (continued)

Logical blocks	1,953,525,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 2 TB, 5400 RPM, SATA, HDD

Table 45. 2.5-inch, 2 TB, 5400 RPM, SATA, HDD specifications

Capacity	2 TB
Speed	5400 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	3,907,029,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.10 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 1 TB, 7200 RPM, SATA, HDD

Table 46. 2.5-inch, 1 TB, 7200 RPM, SATA, HDD specifications

Capacity	1 TB
Speed	7200 RPM

Table 46. 2.5-inch, 1 TB, 7200 RPM, SATA, HDD specifications (continued)

Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	1,953,525,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

2.5-inch, 500 GB, 7200 RPM, SATA, HDD

Table 47. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications

Capacity	500 GB
Speed	7200 RPM
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	976,773,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C

Table 47. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD specifications (continued)

Relative humidity range	5% to 95%

2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS

Table 48. 2.5-inch, 500 GB, 7200 RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS specifications

Capacity	500 GB
Speed	7200 RPM OPAL SED FIPS
Height (approximate)	7.11 mm (0.28 in.)
Width (approximate)	69.85 mm (2.75 in.)
Depth (approximate)	100.58 mm (3.96 in.)
Interface	SATA 3.0
Speed (maximum)	Up to 6 Gbps
MTBF	550,000 hours
Logical blocks	976,773,168
Power source	
Power consumption (reference only)	• Idle: 0.7 W • Active: 3.25 W
Environmental operating conditions (non-condensing)	
Temperature range	5°C to 60°C
Relative humidity range	5% to 90%
Op shock	350G @2ms
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 65°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 49. 256 GB SSD specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	

Table 49. 256 GB SSD specifications (continued)

Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 512 GB, PCIe NVMe Gen3 x4, Class 35 SSD

The following table lists the M.2 2230, 512 GB SSD specifications.

Table 50. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen3 x4, Opal Self-Encrypting Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD, self-encrypting drive specifications.

Table 51. 256 GB SSD, self-encrypting drive specifications

Capacity	256 GB

Table 51. 256 GB SSD, self-encrypting drive specifications (continued)

Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 3.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 52. 256 GB SSD specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C

Table 52. 256 GB SSD specifications (continued)

Relative humidity range	5% to 95%

M.2 2230, 512 GB, PCIe NVMe Gen4 x4, Class 35 SSD

The following table lists the M.2 2230, 512 GB SSD specifications.

Table 53. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2230, 256 GB, PCIe NVMe Gen4 x4, Opal Self-Encrypting, Class 35 SSD

The following table lists the M.2 2230, 256 GB SSD specifications.

Table 54. 256 GB SSD, self-encrypting drive specifications

Capacity	256 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	30.00 mm (1.18 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	500,118,192
Power source	

Table 54. 256 GB SSD, self-encrypting drive specifications (continued)

Power consumption (reference only)	• Idle: 5 mW (PS4) • Active: 4 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 512 GB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 512 GB SSD specifications.

Table 55. 512 GB SSD specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 1 TB SSD specifications.

Table 56. 1 TB SSD specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)

Table 56. 1 TB SSD specifications (continued)

Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 2 TB, PCIe NVMe Gen4 x4, Class 40 SSD

The following table lists the M.2 2280, 2 TB SSD specifications.

Table 57. 2 TB SSD specifications

Capacity	2 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen4
Speed (maximum)	64 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	4,000,797,360
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 5 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 512 GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 512 GB SSD, self-encrypting drive specifications

Table 58. 512 GB SSD, self-encrypting drive specifications

Capacity	512 GB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	1,000,215,216
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 4.50 W
Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

M.2 2280, 1 TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive

The following table lists the M.2 2280, 1 TB SSD, self-encrypting drive specifications

Table 59. 1 TB SSD, self-encrypting drive specifications

Capacity	1 TB
Height (approximate)	2.38 mm (0.09 in.)
Width (approximate)	22.00 mm (0.87 in.)
Depth (approximate)	80.00 mm (3.15 in.)
Interface type	PCIe Gen3
Speed (maximum)	32 Gb/s (up to 4 lanes)
MTBF	1.4M hours
Logical blocks	2,000,409,264
Power source	
Power consumption (reference only)	• Idle: 5 mW (PS4 - L1.2) • Active: 4.50 W

Table 59. 1 TB SSD, self-encrypting drive specifications (continued)

Environmental operating conditions (non-condensing)	
Temperature range	0°C to 70°C
Relative humidity range	10% to 90%
Op shock	1500G
Environmental non-operating conditions (non-condensing)	
Temperature range	-40°C to 70°C
Relative humidity range	5% to 95%

Power adapter

The following table lists the power adapter specifications of your Precision 3571.

Table 60. Power adapter specifications

Description	Values	
Type	90 W AC adapter, USB-C	130 W AC adapter, USB-C
Diameter (connector)	Not supported	Not supported
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz	50 Hz-60 Hz
Input current (maximum)	1.50 A	1.80 A
Output current (continuous)	• 20 V/4.50 A • 15 V/3 A • 9 V/3 A • 5 V/3 A	6.50 A/1.00 A
Rated output voltage	20 VDC/15 VDC/9 VDC/5 VDC	20 VDC/5 VDC
Temperature range		
Operating	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)
Compliance		
Erp Lot3 Tier 2 requirement	Yes	Yes
Energy Star 8.0 compliant	Yes	Yes
GS mark compliant	NA	NA
NCTC Anti Power Surge certification	NA	NA
NCTC Anti Lightning Strike certification	NA	NA

Media-card reader

The following table lists the media-card reader specifications of your Precision 3571.

Table 61. Media-card reader (standard offering)

Media supported (Maximum capacity supported will vary by Flash Media Types)

Table 61. Media-card reader (standard offering) (continued)

Media Supported	SDXC, SDHC, Micro-SD Secure Digital (SD) 4.0 UHS-II Secure Digital (SD) 3.0 UHS-I
Support Specification Versions	Secure Digital (SD) 4.0
Power source	
Max Power Requirements	1.2 A
Supply Voltage Range	3.3 V
Power Consumption	MS 0.08 mA
Environmental operating conditions (Non-condensing)	
Operating Temperature Range	0°C to 70°C
Relative Humidity Range	N/A
Environmental non-operating conditions (Non-condensing)	
Operating Temperature Range	N/A
Relative Humidity Range	N/A

Accessories

The following table lists the supported accessories on your Precision 3571.

Table 62. Accessories

Accessories
Audio: Dell Pro Wireless Headset
Adapters: ● Dell USB-C Mobile Adapter ● Dell Mobile Adapter Speaker phone
Carrying case: ● Dell Pro Hybrid Briefcase Backpack 15 ● Dell Premier Sleeve XPS 15
Dock: Dell Thunderbolt 4 Dock
Mouse: Dell Premier Rechargeable Wireless Mouse
Keyboard: Dell Pro Wireless Keyboard and Mouse
Monitor: ● Dell 32 4K USB-C Hub Monitor ● Dell 27 USB-C Hub Monitor ● Dell 24 USB-C Hub Monitor ● Dell 32 4K USB-C Hub Monitor

Table 62. Accessories (continued)

Accessories
• Dell 27 USB-C Hub Monitor • Dell 24 USB-C Hub Monitor
Webcam: Dell Pro Webcam

Security

Software security

The following table lists the software security details of your Precision 3571.

Table 63. Software security

Security options
McAfee Small Business Security 30 Day Free Trial
McAfee Small Business Security 12-month subscription
McAfee Small Business Security 36 month Subscription
Intel Guard Technologies & Secure Key: Software Guard (SGX), Data Guard (vPro only), Boot Guard, BIOS Guard (Core CPU's only), OS Guard (Core CPU's only) and Secure Key (i5 or greater only)
Intel Runtime BIOS Resilience (Copper Point) with attestation via Nifty Rock + Intel TXT
Support of Absolute Persistent Module BIOS agent v2
OpenXT validation required
SafeGuard and Response, powered by VMware Carbon Black and Secureworks
Next Generation Antivirus (NGAV)
Endpoint Detection and Response (EDR)
Threat Detection and Response (TDR)
Managed Endpoint Detection and Response
Incident Management Retainer
Emergency Incident Response
SafeData

Fingerprint reader

The following table lists the fingerprint reader specifications of your Precision 3571.

Table 64. Fingerprint reader specifications

Category	Goodix—GF5288WNC
Sensor technology	Capacitive sensing
Sensor resolution	500 dpi
Sensor size	5.48 mm x 4.47 mm
Sensor pixel size	108 x 88 pixels

Table 64. Fingerprint reader specifications (continued)

Dell ControlVault support	Yes
Dell ControlVault 3.0 support	Yes
Anti-spoofing	Yes
Template storage	Dell ControlVault HW protected and encrypted
Match on chip	Yes
FIPS 201 certified	No

Dell ControlVault 3.0

The following table lists the Dell ControlVault 3.0 specifications of your Precision 3571.

Table 65. Dell ControlVault 3.0 specifications

Title	Description	Dell ControlVault 3.0
CPU technology	N/A	1 GHz ARM Cortex A7
RAM	N/A	1 MB
ROM	N/A	16 MB
TPM included	TPM enumeration included within ControlVault	No
Host Interface	N/A	USB 2.0
Fingerprint procession on chip	Fingerprint processing occurs within secure boundary of ControlVault	Yes
Windows WBF support	Support for Windows biometric framework when Fingerprint reader is attached	Yes
FIPS 140-2 level 3 complaint	Device complaint with FIPS 140-2 level 3 requirements	Yes
FIPS 140-2 level 3 certified	Device certified with FIPS 140-2 level 3 requirements	Yes

Trusted Platform Module

The following table lists the Trusted Platform Module (TPM) of your Precision 3571.

Table 66. Trusted Platform Module (TPM)

TPM: ST/ST33 HTPH2X32AHD8
SPI interface
TPM 2.0
FIPs 140-2 certificate

Thermal and acoustic improvements

The following table lists the thermal and acoustic improvements of your Precision 3571.

Table 67. Thermal and acoustic improvements

100% dual heat pipe	Increase the heat capacity to improve thermal dissipation
Better system tuning/setting	Get higher performance and good user experience

Table 67. Thermal and acoustic improvements (continued)

Pro-OS enhanced thermal setting (Dynamic PL1)	Increases boot-up time
Linear fan control	Fan speed ramp more smoothly for better user experience, no more significant acoustic changing
DDT SSD setting	Protecting the SSD device in high temperature and worse cases to prevent blue screen of death (BSOD)
IEC 60529 ingress protection: IP-54	• Dust protected • Protected against dripping water
Better acoustic experience	Enhance acoustic to 0.6 sone during daily working conditions and fan off when system is idle

System management features

Dell commercial systems come with a number of systems management options that are include by default for In-Band management with our Dell Client Command Suite. In-Band management meaning that the Operating System is functional and the device is connected to a network so that it can be managed. The Dell Client Command Suite of tools can be leveraged individually or with a systems management console like SCCM, LANDESK, KACE, etc.

We also offer Out-of-Band management as an option. Out-of-band management is when the system does not have a functional operating system or is turned off and you still want to be able to manage the system in that state.

Dell Client Command Suite for In-Band systems management

Dell Client Command Suite is a free toolkit available for download, for all Latitude Rugged tablets at dell.com/support, that automates and streamlines systems management tasks, saving time, money, and resources. It consists of the following modules that can be used independently, or with a variety of systems management consoles such as SCCM.

Dell Client Command Suite's integration with VMware Workspace ONE Powered by AirWatch, now allows customers to manage their Dell client hardware from the cloud, using a single Workspace ONE console.

Dell Command | Deploy enables easy operating system (OS) deployment across all major OS deployment methodologies and provides numerous system-specific drivers that have been extracted and reduced to an OS-consumable state.

Dell Command I Configure is a graphical user interface (GUI) admin tool for configuring and deploying hardware settings in a pre-OS or post-OS environment, and it operates seamlessly with SCCM and Airwatch and can be self-integrated into LANDesk and KACE. Simply, this is all about the BIOS. Command I Configure allows you to remotely automate and configure over 150+ BIOS settings for a personalized user experience.

Dell Command I PowerShell Provider can do the same things as Command I Configure, but with a different method. PowerShell is a scripting language that allows customers to create a customized and dynamic configuration process.

Dell Command I Monitor is a Windows Management Instrumentation (WMI) agent that provides IT admins with an extensive inventory of the hardware and health-state data. Admins can also configure hardware remotely by using command line and scripting.

Dell Command I Power Manager (end-user tool) is a GUI-based factory-installed battery management tool that allows end users to choose the battery management methods that meet their personal preferences or work schedule without sacrificing IT's capability to control those settings with Group Policy.

Dell Command | Update (end-user tool) is factory-installed and allows admins to individually manage and automatically present and install Dell updates to the BIOS, drivers, and software. Command I Update eliminates the time-consuming hunting and pecking process of update installation.

Dell Command I Update Catalog provides searchable metadata that allows the management console to retrieve the latest system-specific updates (driver, firmware or BIOS). The updates are then delivered seamlessly to end-users using the customer's systems management infrastructure that is consuming the catalog (like SCCM).

Dell Command | vPro Out of Band console extends hardware management to systems that are offline or have an un-reachable OS (Dell exclusive features).

Dell Command | Integration Suite for System Center - This suite integrates all the key components of the Client Command Suite into Microsoft System Center Configuration Manager 2012 and Current Branch versions.

Out of Band Systems Management

Intel Standard Manageability option **must be configured in our factory at the time of purchase, as it is NOT field upgradable.** It offers out-of-band management and DASH compliance (https://registry.dmtf.org/registry/results/field_initiative_name%3A%22DASH%201.0%22).

4

ComfortView Plus

WARNING: Prolonged exposure to blue light from the display may lead to long-term effects such as eye strain, eye fatigue, or damage to the eyes.

Blue light is a color in the light spectrum which has a short wavelength and high energy. Chronic exposure to blue light, particularly from digital sources, may disrupt sleep patterns and cause long-term effects such as eye strain, eye fatigue, or damage to the eyes.

The display on this computer is designed to minimize blue light and complies with TÜV Rheinland's requirement for low blue light displays.

Low blue light mode is enabled at the factory, so no further configuration is necessary.

To reduce the risk of eye strain, it is also recommended that you:

- Position the display at a comfortable viewing distance between 20 and 28 inches (50 and 70 cm) from your eyes.
- Blink frequently to moisten your eyes, wet your eyes with water, or apply suitable eye drops.
- Look away from your display, and gaze at a distant object at 20 ft (609.60 cm) away for at least 20 seconds during each break.
- Take an extended break for 20 minutes every two hours.

5

Dell Optimizer

This section details the Dell Optimizer specifications of your Precision 3571.

On Precision 3571 with Dell Optimizer, the following features are supported:

- **Express Connect**—Automatically joins the access point with the strongest signal, and directs bandwidth to conferencing applications when in use.
- **Express Sign-in**—The Intel Context Sensing Technology's proximity sensor detects your presence to instantly wake up the computer and login using the IR camera and Windows Hello feature. Windows locks when you walk away.
- **ExpressResponse**—Prioritizes the most important applications. Applications open faster and perform better.
- **ExpressCharge**—Extends the battery runtime and improves battery performance by adapting to your patterns.

For more information about configuring and using these features, see Dell Optimizer User Guide.

6

Color, material, and finish

This section details the color, material, and finish (CMF) specifications of your Precision 3571.

Table 68. CMF specifications

A Cover (Top)	• CFRP + Bi-Injection Antenna Cover • Titan Gray, Dull • 10+/-2 GU
B Cover (Bezel)	• PC/ ABS + Elastomer • Apollo, Resin • Bezel: MT11520, 4+/-1 GU and Bumper: MT 11510, 3+/-1 GU
C Cover (Palmrest)	• Plastic (Rustic Pewter, Resin) • Titan Gray Dull WUVM • 10+/-2 GU
D Cover (Bottom)	• Black CFRP • Titan Gray, Velvet • 10+/-2 GU

NOTE: Titan Gray, Dull – Cool Gray 9C = RGB 117 120 123 HEX/HTML 75787B CMYK 30 22 17 57

7

Keyboard shortcuts of Precision 3571

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys used for shortcuts remain the same across all language configurations.

Some keys on your keyboard have two symbols on them. These keys can be used to type alternate characters or to perform secondary functions. The symbol shown on the lower part of the key refers to the character that is typed out when the key is pressed. If you press shift and the key, the symbol shown on the upper part of the key is typed out. For example, if you press **2**, **2** is typed out; if you press **Shift** + **2**, **@** is typed out.

The keys F1-F12 at the top row of the keyboard are function keys for multi-media control, as indicated by the icon at the bottom of the key. Press the function key to invoke the task represented by the icon. For example, pressing F1 mutes the audio (refer to the table below).

However, if the function keys F1-F12 are needed for specific software applications, multi-media functionality can be disabled by pressing **Fn** + **Esc**. Subsequently, multi-media control can be invoked by pressing **Fn** and the respective function key. For example, mute audio by pressing **Fn** + **F1**.

NOTE: You can also define the primary behavior of the function keys (F1–F12) by changing **Function Key Behavior** in BIOS setup program.

Table 69. List of keyboard shortcuts

Function key	Primary behavior
F1	Mute audio
F2	Decrease volume
F3	Increase volume
F4	Play previous track/chapter
F5	Play/Pause
F6	Play next track/chapter.
F8	Switch to external display
F9	Search
F10	Click keyboard backlight (optional). **NOTE:** Non-backlight keyboards have F10 function key without the backlight icon and do not support toggle keyboard backlight function. **NOTE:** Toggle to cycle the keyboard backlight status through off, low-backlight, and high-backlight
F11	Decrease brightness
F12	Increase brightness

The **Fn** key is also used with selected keys on the keyboard to invoke other secondary functions.

Table 70. Secondary behavior

Function key	Secondary behavior
Fn + F1	Operating system and application specific F1 behavior
Fn + F2	Operating system and application specific F2 behavior
Fn + F3	Operating system and application specific F3 behavior
Fn + F4	Operating system and application specific F4 behavior

Table 70. Secondary behavior (continued)

Function key	Secondary behavior
Fn + F5	Operating system and application specific F5 behavior
Fn + F6	Operating system and application specific F6 behavior
Fn + F8	Operating system and application specific F8 behavior
Fn + F9	Operating system and application specific F9 behavior
Fn + F10	Operating system and application specific F10 behavior
Fn + F11	Operating system and application specific F11 behavior
Fn + F12	Operating system and application specific F12 behavior
Fn + PrtScr	Turn off/on wireless
Fn + B	Pause/Break
Fn + Insert	Sleep
Fn + S	Toggle scroll lock
Fn + H	Toggle between power and battery-status light/hard-drive activity light
Fn + R	System request
Fn + Ctrl	Open application menu
Fn + Esc	Toggle Fn-key lock
Fn + PgUp	Page up
Fn + PgDn	Page down
Fn + Home	Home
Fn + End	End

8

Getting help and contacting Dell

Self-help resources

You can get information and help on Dell products and services using these self-help resources:

Table 71. Self-help resources

Self-help resources	Resource location
Information about Dell products and services	www.dell.com
My Dell app	
Tips	
Contact Support	In Windows search, type `Contact Support`, and press Enter.
Online help for operating system	www.dell.com/support/windows
Access top solutions, diagnostics, drivers and downloads, and learn more about your computer through videos, manuals and documents.	Your Dell computer is uniquely identified by a Service Tag or Express Service Code. To view relevant support resources for your Dell computer, enter the Service Tag or Express Service Code at www.dell.com/support. For more information on how to find the Service Tag for your computer, see Locate the Service Tag on your computer.
Dell knowledge base articles for a variety of computer concerns	1. Go to www.dell.com/support. 2. On the menu bar at the top of the Support page, select **Support** > **Knowledge Base**. 3. In the Search field on the Knowledge Base page, type the keyword, topic, or model number, and then click or tap the search icon to view the related articles.

Contacting Dell

To contact Dell for sales, technical support, or customer service issues, see www.dell.com/contactdell.

NOTE: Availability varies by country/region and product, and some services may not be available in your country/region.

NOTE: If you do not have an active Internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell product catalog.