

# Technical specifications

## Processors

Table 2. Processors

Processors	Wattage	Core count	Thread count	Speed	Cache	Integrated graphics
8th Generation Intel Core i5-8365U, vPro	15 W	4	8	1.60 GHz to 4.10 GHz Turbo	6 MB SmartCache	Intel UHD Graphics 620

## Chipset

Table 3. Chipset

Description	Values
Chipset	Intel
Processor	Whiskey Lake - 8th Gen Intel Core
DRAM bus width	Two channels, 64 bits
Flash EPROM	32 MB
PCIe bus	Up to Gen 3

## Operating system

Windows 10 Professional (64-bit)

## Memory

Table 4. Memory specifications

Description	Values
Slots	Two integrated on system board
Type	LPDDR3
Speed	2133 MHz
Maximum memory	8 GB
Minimum memory	8 GB
Configurations supported	8 GB LPDDR3 at 2133 MHz (4 x 2 GB)

# Storage

Your tablet supports one M.2 2280 slot for solid-state drive.

**Table 5. Storage specifications**

Storage type	Interface type	Capacity
One M.2 2280 solid-state drive	PCIe Gen3 x4 NVMe, Class 40 SSD	512 GB

# Ports and connectors

**Table 6. External ports and connectors**

Description	Values
<b>External:</b>	
Network	Ethernet connection available through USB Type-C dock
USB	<ul style="list-style-type: none"><li>One USB 3.1 Type-A with Power Delivery</li><li>One USB 3.0 Type-C port with DisplayPort Alt Mode/PowerShare</li></ul>
Audio	One headset (headphone and microphone combo) port
Video	Supported via USB Type-A/Type-C desk dock
Power adapter port	<ul style="list-style-type: none"><li>4.5 mm barrel-type</li><li>USB Type-C port</li></ul>
Security	Kensington lock slot
Card slot	Micro SD-card slot
Serial port	RS-232 micro connector

**Table 7. Internal ports and connectors**

Description	Values
<b>Internal:</b>	
One M.2 Key-M (2280) for solid-state drive	One M.2 2280 slot for solid-state drive 512 GB
One M.2 3042 Key-B for WWAN	<b>i</b> <b>NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article <a href="#">SLN301626</a>.</b>
One M.2 2230 Key-E for WLAN	
SIM card	uSIM card slot

# Audio

**Table 8. Audio specifications**

Description	Values
Controller	Realtek ALC3254
Stereo conversion	Supported
Internal interface	Intel high definition audio (HDA)

Description	Values
External interface	Universal Audio Jack
Speakers	2 dual stereo
Speaker Output Average	2 W RMS
Speaker Output Peak	2.5 W

## Video

**Table 9. Integrated graphics specifications**

Integrated graphics			
Controller	External display support	Memory size	Processor
Intel UHD 620 Graphics	USB Type-C DisplayPort	Shared system memory	8th Generation Intel Core i5

## Camera

**Table 10. Camera specifications**

Description	Values
Number of cameras	Two
Type	<ul style="list-style-type: none"> <li>Front Camera - 5 MP, RGBIr camera</li> <li>Rear Camera - 8 MP, RGB camera with Flash LED</li> </ul>
Location	<ul style="list-style-type: none"> <li>Front Camera - 5 MP</li> <li>Rear Camera - 8 MP</li> </ul>
Sensor type	CMOS sensor technology
Camera	
Still image	<ul style="list-style-type: none"> <li>Front Camera - 5.03 megapixels</li> <li>Rear Camera - 7.99 megapixels</li> </ul>
Video	<ul style="list-style-type: none"> <li>Front Camera - 2592 x 1944 (5 MP) at 30 fps</li> <li>Rear Camera - 3264 x 2448 (8 MP) at 15 fps</li> </ul>
Diagonal viewing angle	
Camera	<ul style="list-style-type: none"> <li>Front Camera - 88.9°</li> <li>Rear Camera - 77.3°</li> </ul>

# Communications

## Wireless module

Table 11. Wireless module specifications

Description		Values
Model number	Intel Wi-Fi 6 AX200 with MU-MIMO	DW5821E Snapdragon X20 4G/LTE Wireless WAN card
Transfer rate	Up to 1.73 Gbps	Up to 1.2 Gbps
Frequency bands supported	2.4 GHz/5 GHz	5 x 20 MHz
Wireless standards	<ul style="list-style-type: none"><li>WiFi 802.11a/b/g</li><li>WiFi 4 (WiFi 802.11n)</li><li>WiFi 5 (WiFi 802.11ac)</li><li>WiFi 6 (WiFi 802.11ax)</li></ul>	<ul style="list-style-type: none"><li>WCDMA (DB-DC-HSDPA, DC-HSUPA)</li><li>TD-SCDMA</li><li>CDMA 1x</li><li>EV-DO</li><li>GSM/EDGE</li></ul>
Encryption	<ul style="list-style-type: none"><li>64-bit and 128-bit WEP</li><li>AES-CCMP</li><li>TKIP</li></ul>	NA
Bluetooth	Bluetooth 5	NA

## Media-card reader

Table 12. Media-card reader specifications

Description	Values
Type	Micro SD-card slot
Cards supported	<ul style="list-style-type: none"><li>Micro Secure Digital (mSD)</li><li>Micro Secure Digital High Capacity (mSDHC)</li><li>Micro Secure Digital Extended Capacity (mSDXC)</li></ul>

## Power adapter

Table 13. Power adapter specifications

Description	Values		
Type	E4 45 W	E4 90 W	45 W USB Type-C (optional)
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz	50 Hz x 60 Hz	50 Hz x 60 Hz
Input current (maximum)	1.3 A	1.60 A	1.70 A
Output current (continuous)	2.31 A (continuous)	4.62 A (continuous)	4.62 A (continuous)
Rated output voltage	19.50 VDC	19.50 VDC	19.50 VDC
Temperature range:			

Description	Values		
Operating	0°C–40°C (32°F–104°F)	0°C–40°C (32°F–104°F)	0°C–40°C (32°F–104°F)
Storage	-40°C–70°C (-40°F–158°F)	-40°C–70°C (-40°F–158°F)	-40°C–70°C (-40°F–158°F)

## Battery

**Table 14. Battery specifications**

Description	Values
Type	Dual Hot-swappable 34 Whr, 2-Cell, ExpressCharge, Lithium Ion
Voltage	7.6 VDC
Weight (maximum)	220 g (0.48 lb)
Dimensions:	
Height	15.00 mm (0.59 in.)
Width	62.70 mm (2.46 in.)
Depth	103.60 mm (4.07 in.)
Temperature range:	
Operating	0°C–60°C (32°F–140°F)
Storage	-20°C–65°C (-4°F–149°F)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)	<ul style="list-style-type: none"> <li>• 0°C–15°C: 0-100% RSOC within 4 hours</li> <li>• 15°C–45°C: 0-100% RSOC within 2 hours</li> <li>• 46°C–50°C: 0-100% RSOC within 3 hours</li> </ul>
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR2032
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

## Dimensions and weight

**Table 15. Dimensions and weight**

Description	Values
Height:	
Front	214.20 mm (8.43 in.)
Rear	214.20 mm (8.43 in.)
Width	323.40 mm (12.73 in.)
Depth	28.9 mm (1.13 in.)
Weight	1.65 kg (3.64 lb)

Description	Values
	<b>NOTE:</b> The weight of your tablet depends on the configuration ordered and the manufacturing variability.

## Display

**Table 16. Display specifications**

Description	Values
Type	Full High Definition (FHD)
Panel technology	Wide View Angle (WVA)
Luminance (typical)	1000 nits
Dimensions (active area):	
Height	256.32 mm (10.09 in.)
Width	144.18 mm (5.67 in.)
Diagonal	294.64 mm (11.6 in.)
Native resolution	1920 x 1080
Megapixels	16.7 million
Color gamut	72% NTSC
Pixels per inch (PPI)	190
Contrast ratio (min)	1500 : 1 (Typ)
Response time (max)	40 ms (max)
Refresh rate	60 Hz
Horizontal view angle	89 degrees
Vertical view angle	89 degrees
Pixel pitch	0.1335 mm x 0.1335 mm
Power consumption (maximum)	8.02 W
Anti-glare vs glossy finish	Anti-glare, Anti-smudge
Touch options	Yes, Glove-capable touchscreen
Glass	Gorilla glass 5

## Fingerprint reader

**Table 17. Fingerprint reader specifications**

Description	Values
Sensor technology	Trans-capacitive sensing
Sensor resolution	363 dpi

Description	Values
Sensor area	6.90 mm x 5.25 mm
Sensor pixel size	70 um x 70 um

## Security

Table 18. Security

Features	Specifications
Trusted Platform Module (TPM) 2.0	Integrated on system board
Fingerprint reader	Standard
Contactless Smartcard reader	Standard
Kensington security lock slot	Standard
Protected slot/vent openings	Standard

## Data security

Table 19. Data security

Features	Specifications
Dell Data Protection - Endpoint Security Suite Enterprise (DDP  ESSE)	Optional
Dell Data Protection - Software Encryption (DDPE)	Optional
Dell ControlVault 3.0	Optional
Microsoft Device Guard and Credential Guard (Windows Enterprise)	Optional
Microsoft Windows Bitlocker	Optional

## Regulatory, Environmental Compliance and Trusted Platform Module (TPM)

Table 20. Regulatory, Environmental Compliance and TPM

Features	Specifications
Energy Star	Energy Star 7 compliant
TPM	<ul style="list-style-type: none"> <li>Hardware trusted Platform Module (Discrete TPM Enabled)</li> <li>Firmware Trusted Platform Module only (Discrete TPM Disabled)</li> </ul>
Environmental, Ergonomic, and Regulatory standards	<ul style="list-style-type: none"> <li>Energy Star</li> <li>EPEAT* Registered</li> <li>WEEE</li> <li>Japan Energy Law</li> <li>MIL-STD-810G and MIL-STD-810H Tested</li> </ul> <p>See your local representative or <a href="http://www.dell.com">www.dell.com</a> for specific details.</p> <p>*For specific country participation and rating, please see <a href="https://www.epeat.net">https://www.epeat.net</a></p>

# Computer environment

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

**Table 21. Computer environment**

<b>Description</b>	<b>Operating</b>	<b>Storage</b>
Temperature range	-29°C to 63°C (-20.2°F to 145.4°F)	-51°C to 71°C (-59.8°F to 159.8°F)
Relative humidity (maximum)	10% to 90% (non-condensing)	5% to 95% (non-condensing)
Vibration (maximum)*	0.26 GRMS	1.37 GRMS
Shock (maximum)	40 G†	30 G†
Altitude (maximum)	12,192 m (40,000 ft)	12,192 m (40,000 ft)

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

† Measured using a 2 ms half-sine pulse when the hard drive is in use.