

Latitude 7220EX Rugged Extreme Tablet

Setup and Specifications guide



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.

Chapter 1: Set up your tablet.....	4
Chapter 2: Chassis overview.....	6
Front view.....	6
Left view.....	7
Right view.....	7
Back view.....	8
Top view.....	10
Bottom view.....	10
Chapter 3: Technical specifications.....	11
Processors.....	11
Chipset.....	11
Operating system.....	11
Memory.....	11
Storage.....	12
Internal slots.....	12
External ports.....	12
Audio.....	13
Video.....	13
Camera.....	13
Communications.....	14
Media-card reader.....	14
Power adapter.....	15
Battery.....	15
Dimensions and weight.....	16
Display.....	16
Fingerprint reader.....	17
Security.....	17
Data security.....	17
Regulatory, Environmental Compliance and Trusted Platform Module (TPM).....	18
Operating and storage environment.....	18
Chapter 4: Getting help and contacting Dell.....	19

Set up your tablet

Steps

1. Connect the power adapter, and press the power button.

NOTE: To conserve battery power, the battery might enter power-saving mode.



2. Finish Windows system setup.

Follow the on-screen instructions to complete the setup. When setting up, it is recommended that you:







- Connect to a network for Windows updates.

NOTE: If connecting to a secured wireless network, enter the password for the wireless network access when prompted.

- If connected to the Internet, sign in with or create a Microsoft account. If not connected to the Internet, create an offline account.
- On the **Support and Protection** screen, enter your contact details.

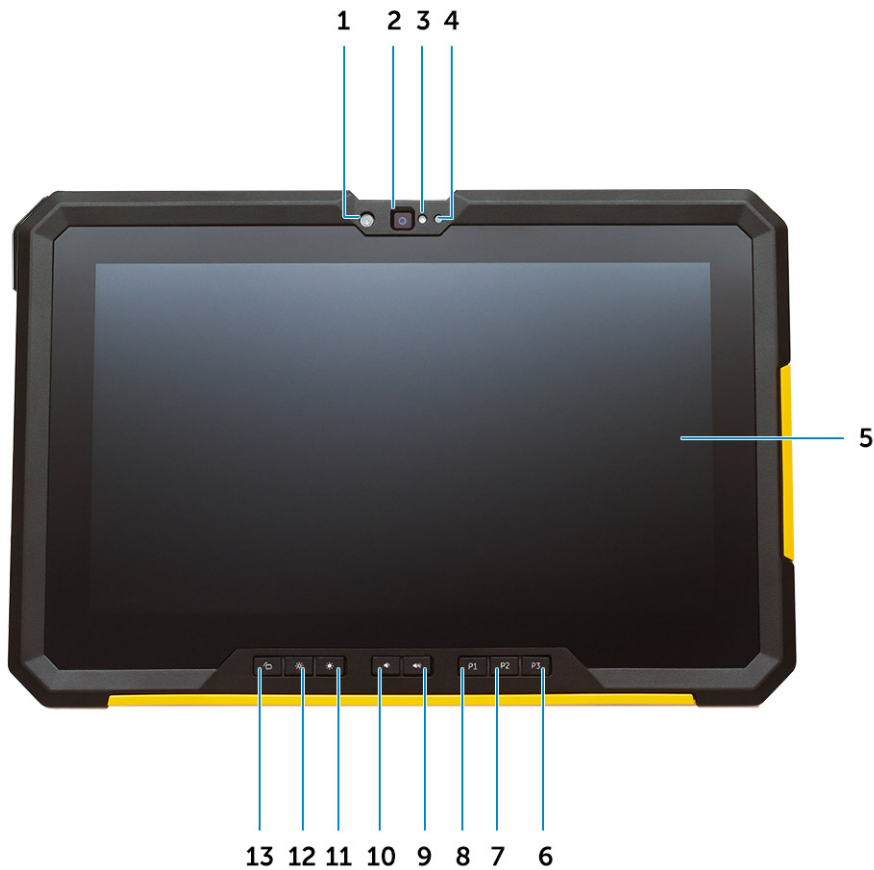
3. Locate and use Dell apps from the Windows Start menu—Recommended.

Table 1. Locate Dell apps

Resources	Description
	<p>Dell Product Registration Register your computer with Dell.</p>
	<p>Dell Help & Support Access help and support for your computer.</p>
	<p>My Dell Centralized location for key Dell applications, help articles, and other important information about your computer. It also notifies you about the warranty status, recommended accessories, and software updates if available.</p>
	<p>SupportAssist SupportAssist is the smart technology that keeps your computer running at its best by optimizing settings, detecting issues, removing viruses and notifies when you need to make system updates. SupportAssist proactively checks the health of your system's hardware and software. When an issue is detected, the necessary system state information is sent to Dell to begin troubleshooting. SupportAssist is preinstalled on most of the Dell devices running Windows operating system. For more information, see SupportAssist for Home PCs User's Guide on www.dell.com/serviceabilitytools.</p> <p>NOTE: In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.</p>
	<p>Dell Update Updates your computer with critical fixes and latest device drivers as they become available. For more information about using Dell Update, see the knowledge base article 000149088 at www.dell.com/support.</p>
	<p>Dell Digital Delivery Download software applications, which are purchased but not pre-installed on your computer. For more information about using Dell Digital Delivery, see the knowledge base article 000129837 at www.dell.com/support.</p>

Chassis overview

Front view

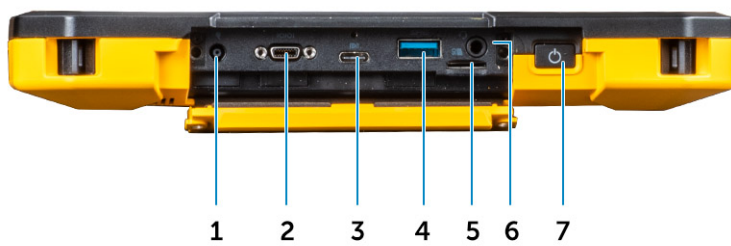


1. IR emitter
2. Camera
3. Camera status light
4. Ambient light sensor
5. Display
6. User programmable button 3
7. User programmable button 2
8. User programmable button 1
9. Volume increase button
10. Volume decrease button
11. Brightness increase button
12. Brightness decrease button
13. Screen rotate lock button.

Left view

1. Microphone
2. Quad cool vent output
3. Kensington lock slot.

Right view

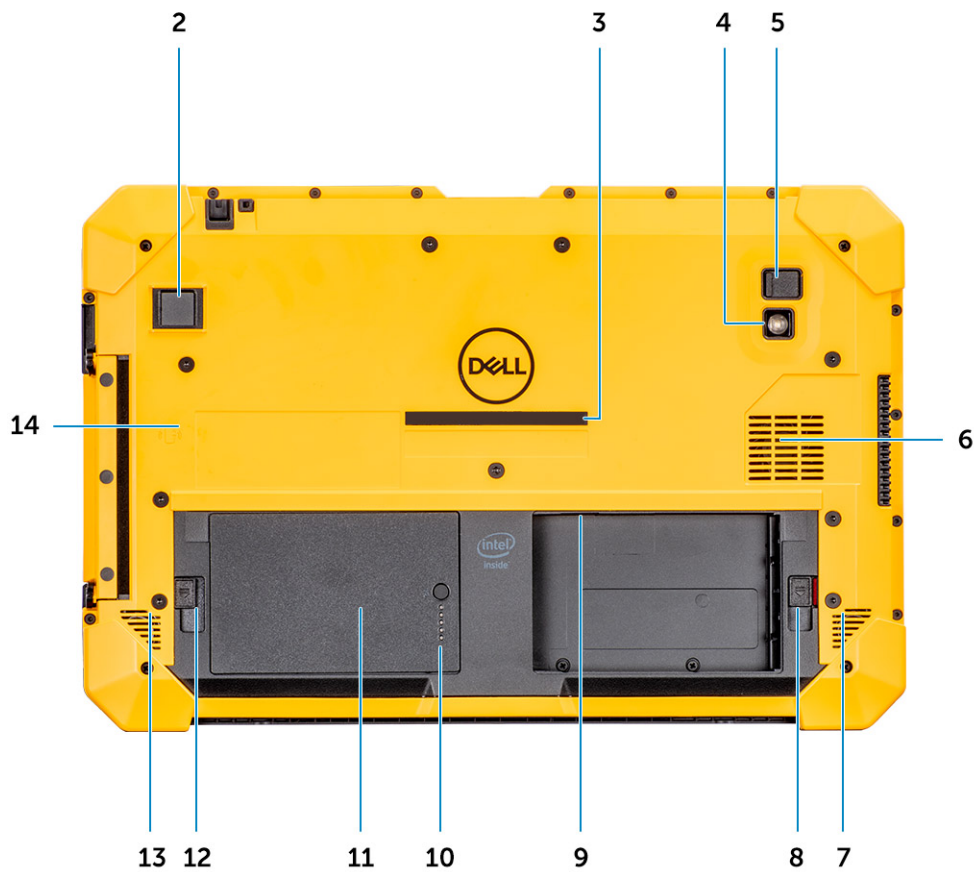


1. Power connector port
2. Micro serial RS-232 port
3. USB 3.0 Type-C port with DisplayPort Alt mode/PowerShare
4. USB 3.1 Type-A with Power Delivery
5. Micro SD-card slot
6. Universal audio jack
7. Power button/ LED status light

Back view

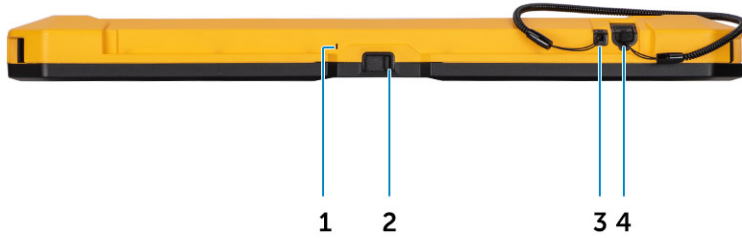


1



1. Battery bay cover
2. Fingerprint reader
3. Service tag and Express service code label
4. LED flash
5. Rear camera
6. Quad cool intake vent
7. Speaker
8. Right battery release latch
9. uSIM slot
10. Left battery LED indicator
11. Left battery
12. Left battery release latch
13. Speaker
14. Contactless smart card reader

Top view



1. Microphone
2. Camera shutter switch
3. Stylus lanyard attachment point
4. Stylus

Bottom view

1. Battery cover screw hole
2. Radio antennae pass-through connector
3. Battery cover screw hole

Technical specifications

NOTE: Offerings may vary by region. The following specifications are only those required by law to ship with your computer. For more information about the configuration of your computer, go to Help and Support in your Windows operating system and select the option to view information about your computer.

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

Your Latitude 7220EX Rugged Extreme Tablet supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 10 Pro, 64-bit

Memory

Table 4. Memory specifications

Description	Values
Slots	Two integrated on system board
Type	LPDDR3

Table 4. Memory specifications (continued)

Description	Values
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

Internal slots

The following table lists the internal slots of your Latitude 7220EX Rugged Extreme Tablet.

Table 6. Internal slots

Description	Values
M.2	One M.2 2280 slot for solid-state drive 512 GB  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 .

External ports

The following table lists the external ports of your Latitude 7220EX Rugged Extreme Tablet.

Table 7. External ports

Description	Values
Network port	Ethernet connection available through USB Type-C dock
USB ports	<ul style="list-style-type: none"> One USB 3.1 Type-A with Power Delivery One USB 3.0 Type-C port with DisplayPort Alt Mode/PowerShare
Audio port	One headset (headphone and microphone combo) port
Video port	Supported via USB Type-A/Type-C desk dock
Media-card reader	One micro SD-card slot
Power-adaptor port	<ul style="list-style-type: none"> 4.5 mm barrel-type USB Type-C port

Table 7. External ports (continued)

Description	Values
Security-cable slot	Kensington lock slot

Audio

Table 8. Audio specifications

Description	Values
Controller	Realtek ALC3254
Stereo conversion	Supported
Internal interface	Intel high definition audio (HDA)
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"> Front Camera - 5 MP, RGBIr camera Rear Camera - 8 MP, RGB camera with Flash LED
Location	<ul style="list-style-type: none"> Front Camera - 5 MP Rear Camera - 8 MP
Sensor type	CMOS sensor technology
Camera	
Still image	<ul style="list-style-type: none"> Front Camera - 5.03 megapixels Rear Camera - 7.99 megapixels

Table 10. Camera specifications (continued)

Description		Values
	Video	<ul style="list-style-type: none"> • Front Camera - 2592 x 1944 (5 MP) at 30 fps • Rear Camera - 3264 x 2448 (8 MP) at 15 fps
Diagonal viewing angle		
	Camera	<ul style="list-style-type: none"> • Front Camera - 88.9° • Rear Camera - 77.3°

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"> • WiFi 802.11a/b/g • WiFi 4 (WiFi 802.11n) • WiFi 5 (WiFi 802.11ac) • WiFi 6 (WiFi 802.11ax) 	<ul style="list-style-type: none"> • WCDMA (DB-DC-HSDPA, DC-HSUPA) • TD-SCDMA • CDMA 1x • EV-DO • GSM/EDGE
Encryption	<ul style="list-style-type: none"> • 64-bit and 128-bit WEP • AES-CCMP • TKIP 	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"> • Micro Secure Digital (mSD) • Micro Secure Digital High Capacity (mSDHC) • Micro Secure Digital Extended Capacity (mSDXC)

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:			
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"> 0°C–15°C: 0-100% RSOC within 4 hours 15°C–45°C: 0-100% RSOC within 2 hours 46°C–50°C: 0-100% RSOC within 3 hours
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR2032

Table 14. Battery specifications (continued)

Description	Values
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) <i>i</i> NOTE: 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

Table 16. Display specifications (continued)

Description	Values
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 with 10-point touch support
Glass	Gorilla glass 5

Fingerprint reader

Table 17. Fingerprint reader specifications

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

Table 19. Data security (continued)

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

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 7220EX Rugged Extreme Tablet.

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

Table 21. Computer environment

Description	Operating	Storage
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)	160 G†	160 G†
Altitude range	12,192 m (40,000 ft)	12,192 m (40,000 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.

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 22. 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 <code>Contact Support</code> , 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	<ol style="list-style-type: none"> 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.