

Latitude 3120

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.

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Set up your Latitude 3120

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

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

Latitude 3120




Latitude 3120 2-in-1



2. Finish Windows system setup.

Follow the on-screen instructions to complete the setup. When setting up, Dell recommends 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

Dell apps	Details
	<p>Dell Product Registration Register your computer with Dell.</p>
	<p>Dell Help & Support Access help and support for your computer.</p>
	<p>SupportAssist Proactively checks the health of your computer’s hardware and software.</p> <p> NOTE: Renew or upgrade your warranty by clicking the warranty expiry date in SupportAssist.</p>
	<p>Dell Update Updates your computer with critical fixes and important device drivers as they become available.</p>
	<p>Dell Digital Delivery Download software applications including software that is purchased but not preinstalled on your computer.</p>


4. Create recovery drive for Windows.

 **NOTE:** It is recommended to create a recovery drive to troubleshoot and fix problems that may occur with Windows.

For more information, see [Create a USB recovery drive for Windows](#).

Create a USB recovery drive for Windows

Create a recovery drive to troubleshoot and fix problems that may occur with Windows. An empty USB flash drive with a minimum capacity of 16 GB is required to create the recovery drive.

 **NOTE:** This process may take up to an hour to complete.

 **NOTE:** The following steps may vary depending on the version of Windows installed. Refer to the [Microsoft support site](#) for latest instructions.

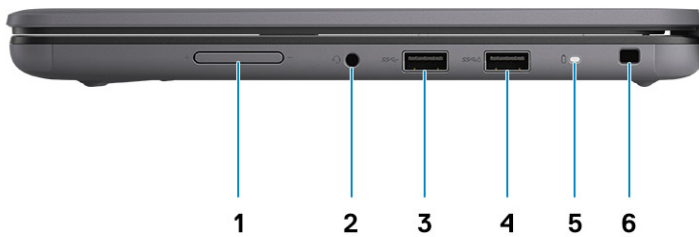
1. Connect the USB flash drive to your computer.
2. In Windows search, type **Recovery**.
3. In the search results, click **Create a recovery drive**.
The **User Account Control** window is displayed.
4. Click **Yes** to continue.
The **Recovery Drive** window is displayed.
5. Select **Back up system files to the recovery drive** and click **Next**.
6. Select the **USB flash drive** and click **Next**.
A message appears, indicating that all data in the USB flash drive will be deleted.
7. Click **Create**.
8. Click **Finish**.
For more information about reinstalling Windows using the USB recovery drive, see the *Troubleshooting* section of your product's *Service Manual* at www.dell.com/support/manuals.

Views of Latitude 3120

Topics:

- [Right](#)
- [Left](#)
- [Base](#)
- [Display](#)
- [Bottom](#)
- [Modes](#)
- [LED Indicators and Characteristics](#)

Right



1. Volume button
2. Headset (headphone and microphone combo) port
3. USB 3.2 Gen 1 port
4. USB 3.2 Gen 1 port with PowerShare
5. Battery/Power LED indicator
6. Wedge-shaped lock slot

Left



1. Power adapter port
2. USB 3.2 Gen 2 Type-C port with DisplayPort (optional)
3. HDMI 1.4 port

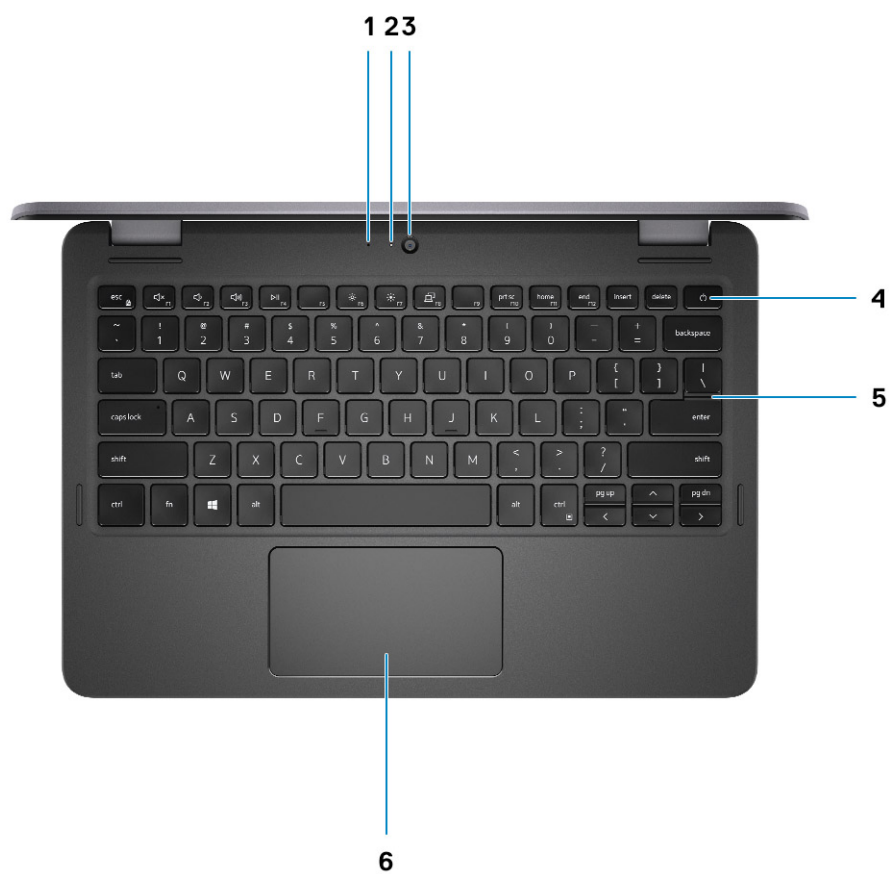
Base

Base - Laptop



1. Power button
2. Keyboard
3. Touchpad

Base - 2-in-1

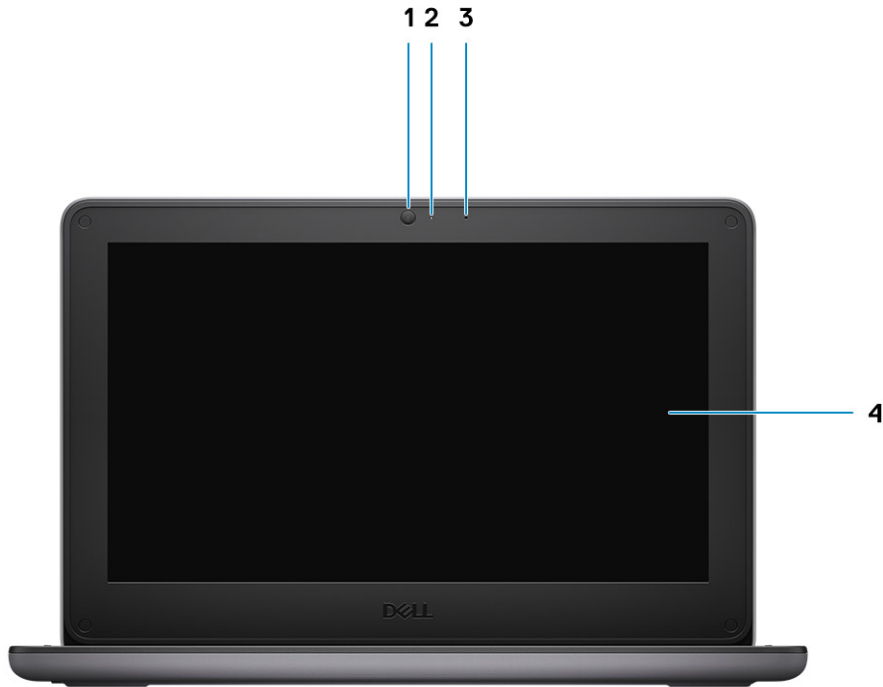


- 1. Microphone
- 3. World facing camera
- 5. Keyboard

- 2. Camera status LED
- 4. Power button
- 6. Touchpad

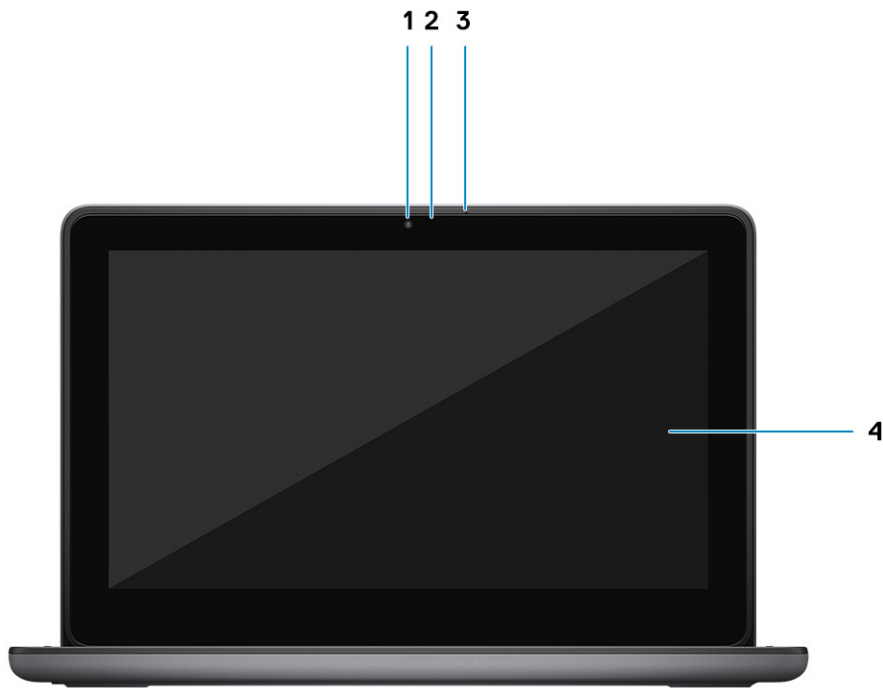
Display

Display - Laptop



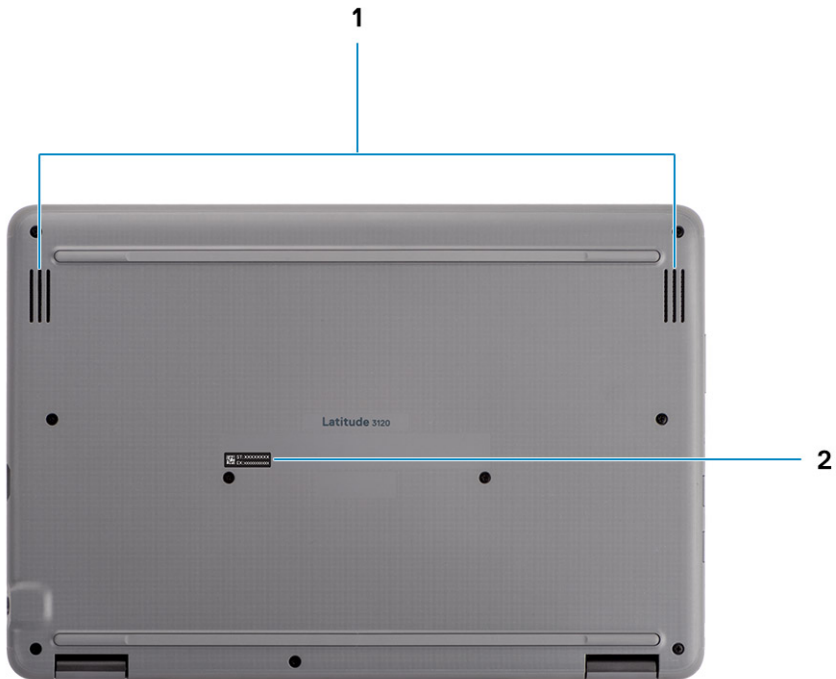
1. Front facing camera
2. Camera status LED
3. Microphone
4. Display panel

Display - 2-in-1



1. Front facing camera
2. Camera status LED
3. Microphone
4. Display panel

Bottom



1. Speakers
2. Service tag label

Modes

NOTE: The modes are applicable only to Latitude 3120 2-in-1.

Laptop



Tablet



Stand



Tent



LED Indicators and Characteristics

Battery Charge and Status LED

Table 2. Battery Charge and Status LED Indicator

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.

Specifications of Latitude 3120


Topics:

- Dimensions and weight
- Processor
- Chipset
- Operating system
- Memory
- External ports
- Internal slots
- Wireless module
- Audio
- Storage
- Keyboard
- Camera
- Touchpad
- Power adapter
- Battery
- Display
- GPU—Integrated
- Operating and storage environment

Dimensions and weight

The following table lists the height, width, depth, and weight of your Latitude 3120.

Table 3. Dimensions and weight

Description	Values
Height:	
Front height	<ul style="list-style-type: none"> • 20.90 mm (0.82 in.) - Laptop • 21.40 mm (0.84 in.) - 2-in-1
Rear height	<ul style="list-style-type: none"> • 20.90 mm (0.82 in.) - Laptop • 21.40 mm (0.84 in.) - 2-in-1
Width	300.88 mm (11.84 in.)
Depth	204.88 mm (8.06 in.)
Weight	<ul style="list-style-type: none"> • 1.35 kg (2.97 lb) - Laptop • 1.42 kg (3.12 lb) - 2-in-1 <p> NOTE: The weight of your computer depends on the configuration ordered and manufacturing variability.</p>

Processor

The following table lists the details of the processors supported by your Latitude 3120.

Table 4. Processor

Description	Option one	Option two
Processor type	Intel Celeron N5100	Intel Pentium Silver N6000
Processor wattage	6 W	6 W
Processor core count	4 Core	4 Core
Processor thread count	4 Thread	4 Thread
Processor speed	1.10 GHz to 2.80 GHz	1.10 GHz to 3.30 GHz
Processor cache	4 MB	4 MB
Integrated graphics	Intel UHD Graphics	Intel UHD Graphics

Chipset

The following table lists the details of the chipset supported by your Latitude 3120

Table 5. Chipset

Description	Option one	Option two
Processors	Intel Celeron N5100	Intel Pentium Silver N6000
Chipset	Intel Celeron N5100	Intel Pentium Silver N6000
DRAM bus width	64-bit	64-bit
Flash EPROM	32 MB	32 MB
PCIe bus	Up to PCIe Gen3	Up to PCIe Gen3

Operating system

- Windows 10 Home, 64-bit
- Windows 10 Home National Academic, 64-bit
- Windows 10 Pro, 64-bit
- Windows 10 Pro National Academic, 64-bit

Memory

The following table lists the memory specifications of your Latitude 3120.

Table 6. Memory specifications

Description	Values
Memory slots	Integrated on the system board

Table 6. Memory specifications (continued)

Description	Values
Memory type	<ul style="list-style-type: none"> • DDR4 for Celeron processors • LPDDR4x for Pentium processors
Memory speed	2933 MHz
Maximum memory configuration	16 GB
Minimum memory configuration	4 GB
Memory size per channel	4 GB, 8 GB
Memory configurations supported	<ul style="list-style-type: none"> • 4 GB, DDR4 for Celeron processors, 2933 MHz, single-channel, integrated • 4 GB, LPDDR4x for Pentium processors, 2933 MHz, single-channel, integrated • 8 GB, LPDDR4x for Pentium processors, 2933 MHz, dual-channel, integrated • 16 GB, LPDDR4x for Pentium processors, 2933 MHz, dual-channel, integrated

External ports

The following table lists the external ports on your Latitude 3120.

Table 7. External ports

Description	Values
USB ports	<ul style="list-style-type: none"> • One USB 3.2 Gen 1 port • One USB 3.2 Gen 1 port with PowerShare • One USB 3.2 Gen 2 Type-C port with DisplayPort Alt Mode (Pentium only)
Audio port	One headset (headphone and microphone combo) port
Video port/ports	<ul style="list-style-type: none"> • One HDMI 1.4 port • One DisplayPort Alt Mode (Pentium only)
Media-card reader	N/A
Power-adaptor port	<ul style="list-style-type: none"> • One 7.4 mm barrel-type • One USB Type-C port with Power Delivery (Pentium only)
Security-cable slot	One wedge-shaped lock slot


Internal slots

The following table lists the internal slots of your Latitude 3120.

Table 8. Internal slots

Description	Values
M.2	One M.2 2230 slot for solid-state drive

Table 8. Internal slots

Description	Values
	 NOTE: To learn more about the features of different types of M.2 cards, see the knowledge base article SLN301626 at www.dell.com/support .

Wireless module

The following table lists the Wireless Local Area Network (WLAN) modules supported on your Latitude 3120.

Table 9. Wireless module specifications

Description	Option one (Pentium only)	Option two (Celeron only)
Model number	Intel Wi-Fi 6 AX201	Intel Wi-Fi 5 9560 (160 MHz)
Transfer rate	Up to 2400 Mbps	Up to 1733 Mbps
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	<ul style="list-style-type: none"> • Wi-Fi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (Wi-Fi 802.11ac) • Wi-Fi 6 (802.11ax) 	<ul style="list-style-type: none"> • Wi-Fi 802.11a/b/g • Wi-Fi 4 (Wi-Fi 802.11n) • Wi-Fi 5 (Wi-Fi 802.11ac)
Encryption	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP 	<ul style="list-style-type: none"> • 64-bit/128-bit WEP • AES-CCMP • TKIP
Bluetooth	Bluetooth 5.1	Bluetooth 5.0

Audio

The following table lists the audio specifications of your Latitude 3120.

Table 10. Audio specifications

Description	Values
Audio controller	Realtek ALC3246-HDA Codec
Stereo conversion	Supported
Internal audio interface	High definition audio
External audio interface	Universal audio jack
Number of speakers	Two
Internal-speaker amplifier	Supported (audio codec integrated)
External volume controls	Keyboard shortcut controls, volume buttons
Speaker output:	
Average speaker output	2 W

Table 10. Audio specifications (continued)

Description		Values
	Peak speaker output	2.5 W
Subwoofer output		Not supported
Microphone		Single integrated microphone

Storage

This section lists the storage options on your Latitude 3120.

Your computer supports one of the following configurations:

- M.2 2230, PCIe x2 NVMe, Class 35 SSD
- One 64 GB eMMC, on-board, Celeron only

The primary drive of your computer varies with the storage configuration.

- For systems with an M.2 drive, the M.2 drive is the primary drive
- For systems with an eMMC drive, the eMMC drive is the primary drive

Table 11. Storage specifications

Storage type	Interface type	Capacity
M.2 2230, Class 35 Solid-State Drive	Gen 3 PCIe x2 NVMe	Up to 256 GB
eMMC for Celeron processors	On-board	64 GB

Keyboard

The following table lists the keyboard specifications of your Latitude 3120.

Table 12. Keyboard specifications

Description	Values
Keyboard type	Standard non-backlit keyboard with captive keycaps
Keyboard layout	QWERTY
Number of keys	<ul style="list-style-type: none"> • United States and Canada: 81 keys • United Kingdom: 82 keys • Japan: 85 keys
Keyboard size	X=18.70 mm key pitch Y=18.05 mm key pitch

Camera

Table 13. Camera specifications

Description	Option one	Option two (2-in-1 only)
Number of cameras	One	One
Type	RGB HD Camera	RGB 5M Camera

Table 13. Camera specifications (continued)

Description		Option one	Option two (2-in-1 only)
Location		Front Camera	Rear Camera
Sensor type		CMOS sensor technology	CMOS sensor technology
Resolution (RGB):			
	Still Image	1 megapixel (HD)	4.92 megapixels (5 M)
	Video	1280 x 720 (HD) at 30 fps	2560 x 1920 (5M) at 30 fps
Diagonal viewing angle, RGB		78.6°	76.6°

Touchpad

The following table lists the touchpad specifications of your Latitude 3120.

Table 14. Touchpad specifications

Description		Values
Touchpad resolution:		>=300dpi
Touchpad dimensions:		
	Horizontal	100 mm (3.94 in.)
	Vertical	55 mm (2.17 in.)
Touchpad gestures		For more information about touchpad gestures available on Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com .

Power adapter

Table 15. Power adapter specifications

Description	Option one	Option two
Type	65 W AC adapter, 7.4 mm	65 W AC adapter, USB-C, Pentium only
Diameter (connector)	7.40 mm x 5.10 mm	N/A
Input voltage	100 VAC x 240 VAC	100 VAC x 240 VAC
Input frequency	50 Hz x 60 Hz	50 Hz x 60 Hz
Input current (maximum)	1.60 A/1.70 A	1.70 A
Output current (continuous)	3.34 A (Continuous)	<ul style="list-style-type: none"> ● 20 V / 3.25 A (Continuous) ● 15 V / 3 A (Continuous) ● 9 V / 3 A (Continuous) ● 5 V / 3 A (Continuous)

Table 15. Power adapter specifications (continued)

Description		Option one	Option two
Rated output voltage		19.50 VDC	<ul style="list-style-type: none"> ● 20 VDC ● 15 VDC ● 9 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 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)

Battery

The following table lists the battery specifications of your Latitude 3120.

Table 16. Battery specifications

Description		Option one	Option two
Battery type		3-cell, 40 WHr, "smart" Lithium-ion, ExpressCharge Capable Battery	4-cell, 53 WHr, "smart" Lithium-ion, ExpressCharge Capable Battery
Battery voltage		11.40 VDC	15.20 VDC
Battery weight (maximum)		0.18 kg (0.40 lb)	0.24 kg (0.53 lb)
Battery dimensions:			
	Height	184.10 mm (7.25 in.)	239.10 mm (9.41 in.)
	Width	90.73 mm (3.57 in.)	90.73 mm (3.57 in.)
	Depth	5.75 mm (0.23 in.)	5.75 mm (0.23 in.)
Temperature range:			
	Operating	0°C to 35°C (32°F to 95°F)	0°C to 35°C (32°F to 95°F)
	Storage	-40°C to 65°C (-40°F to 149°F)	-40°C to to 65°C (-40°F to 149°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.
Battery charging time (approximate) i 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 see, <i>Me and My Dell</i> on www.dell.com .		4 hours (when the computer is off) i 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 see, <i>Me and My Dell</i> on www.dell.com/	4 hours (when the computer is off) i 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 see, <i>Me and My Dell</i> on www.dell.com/
Life span (approximate)		300 cycles at room temperature	300 cycles at room temperature
ExpressCharge		Supported	Supported
User replaceable		No (FRU)	No (FRU)

Table 16. Battery specifications (continued)

Description	Option one	Option two
Coin-cell battery	CR2032	CR2032

NOTE:

For batteries with the ExpressCharge feature, the battery will typically have at least an 80% charge after about an hour of charging with the system off, and fully charged in about 2 hours with the system off.

Enabling ExpressCharge requires that both the computer and the battery used be ExpressCharge capable. If these requirements are not met, ExpressCharge will not be enabled.

[†]Field Replaceable Part

Display

Table 17. Display specifications

Description	Option one	Option two
Type	11.6-inches, HD, non-touch	11.6-inches, HD, touch, 2-in-1
Panel technology	TN	IPS
Luminance (typical)	220 nits	220 nits
Dimensions (Active area):		
Height	144 mm (5.67 in.)	144 mm (5.67 in.)
Width	256.12 mm (10.08 in.)	256.12 mm (10.08 in.)
Diagonal	294.64 mm (11.60 in.)	294.64 mm (11.60 in.)
Native resolution	1366 x 768	1366 x 768
Megapixels	1	1.05
Pixels per inch (PPI)	135	135
Contrast ratio (min)	600:1 typical	700:1 typical
Response time (max)	20 ms	45 ms
Refresh rate	60 Hz	60 Hz
Horizontal view angle	+40/-40 degrees	-80/+80 degrees
Vertical view angle	+10/-30 degrees	-80/+80 degrees
Pixel pitch	0.1875 mm x 0.1875 mm	0.1875 mm x 0.1875 mm
Power consumption (maximum)	2.8 W	4 W
Anti-glare vs glossy finish	Anti-glare	Glossy finish
Touch options	No	Yes, anti-fingerprint, 360 convertible
Stylus	No	Yes

Table 17. Display specifications (continued)

Description	Option one	Option two
		<ul style="list-style-type: none"> • MPP 1.51 active pen support • Pencil touch support • Waltop Pen w/ AAA battery (P/N: ACS-20M)

GPU—Integrated

The following table lists the specifications of the integrated Graphics Processing Unit (GPU) supported by your Latitude 3120.

Table 18. GPU—Integrated

Controller	External display support	Memory size	Processor
Intel UHD Graphics	<ul style="list-style-type: none"> • One HDMI 1.4 port • One DisplayPort Alt Mode over USB Type-C port (optional) 	Shared system memory	Intel Celeron N5100/Pentium Silver N6000

Operating and storage environment

This table lists the operating and storage specifications of your Latitude 3120.

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

Table 19. 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)	5% to 95% (non-condensing)
Vibration (maximum)*	0.66 GRMS	N/A
Shock (maximum)	160 G†	N/A
Altitude (maximum)	3048 m (10000 ft)	10668 m (35000 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.

Keyboard shortcuts

NOTE: Keyboard characters may differ depending on the keyboard language configuration. Keys that are 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 that is 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 20. List of keyboard shortcuts

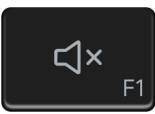
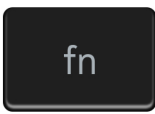
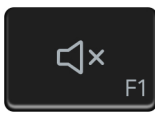
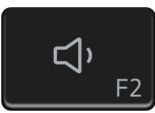
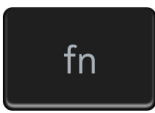
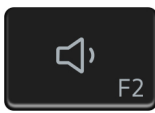
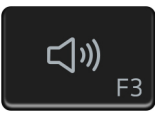
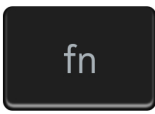
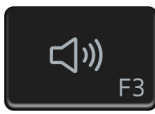
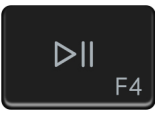
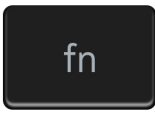
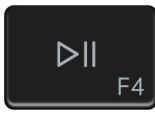

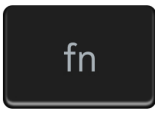
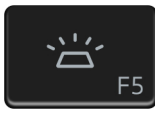
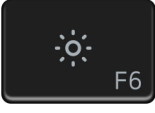
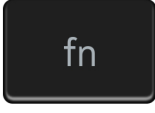
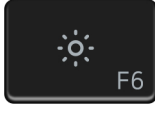


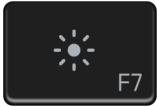
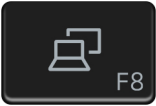

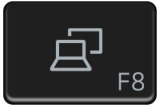



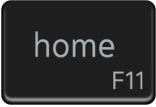
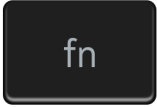
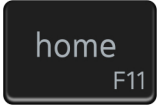
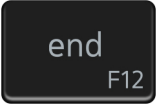
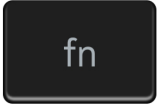
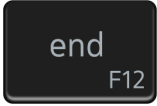









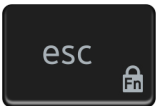
Function key	Redefined key (for multimedia control)	Behavior
	 + 	Mute audio
	 + 	Decrease volume
	 + 	Increase volume
	 + 	Play/Pause
	 + 	Toggle keyboard backlight (optional) NOTE: Non-backlight keyboards have F5 function key without the backlight icon and does not support toggle keyboard backlight function.
	 + 	Decrease brightness

Table 20. List of keyboard shortcuts (continued)

Function key	Redefined key (for multimedia control)	Behavior
	 + 	Increase brightness
	 + 	Switch to external display
	 + 	Print screen
	 + 	Home
	 + 	End

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

Table 21. List of keyboard shortcuts



Function key	Behavior
 + 	Pause/Break
 + 	Toggle scroll lock
 + 	System request
 + 	Open application menu
 + 	Toggle Fn-key lock

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.