Latitude 3120

Setup and Specifications

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

Set up your Latitude 3120

ⓘ **NOTE:** The images in this document may differ from your computer depending on the configuration you ordered.

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

   Latitude 3120

   Latitude 3120 2-in-1

ⓘ **NOTE:** To conserve battery power, the battery might enter power saving mode. Connect the power adapter and press the power button to turn on the computer.

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

Resources	Description
	Dell Product Registration Register your computer with Dell.
	Dell Help & Support Access help and support for your computer.
	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. ⓘ **NOTE:** In SupportAssist, click the warranty expiry date to renew or upgrade your warranty.
	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.
	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.

Views of Latitude 3120

Right
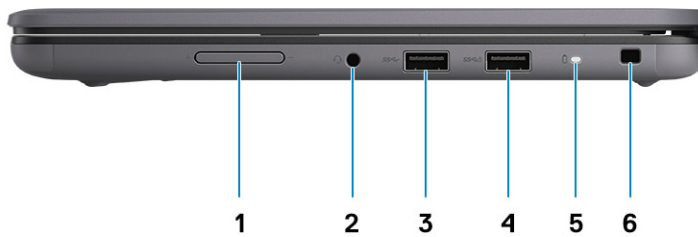
1. Volume button
3. USB 3.2 Gen 1 port
5. Power and battery status light
2. Headset (headphone and microphone combo) port
4. USB 3.2 Gen 1 port with PowerShare
6. Wedge-shaped lock slot

Left

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

Top

Laptop

1. Power button
2. Keyboard
3. Touchpad

2-in-1
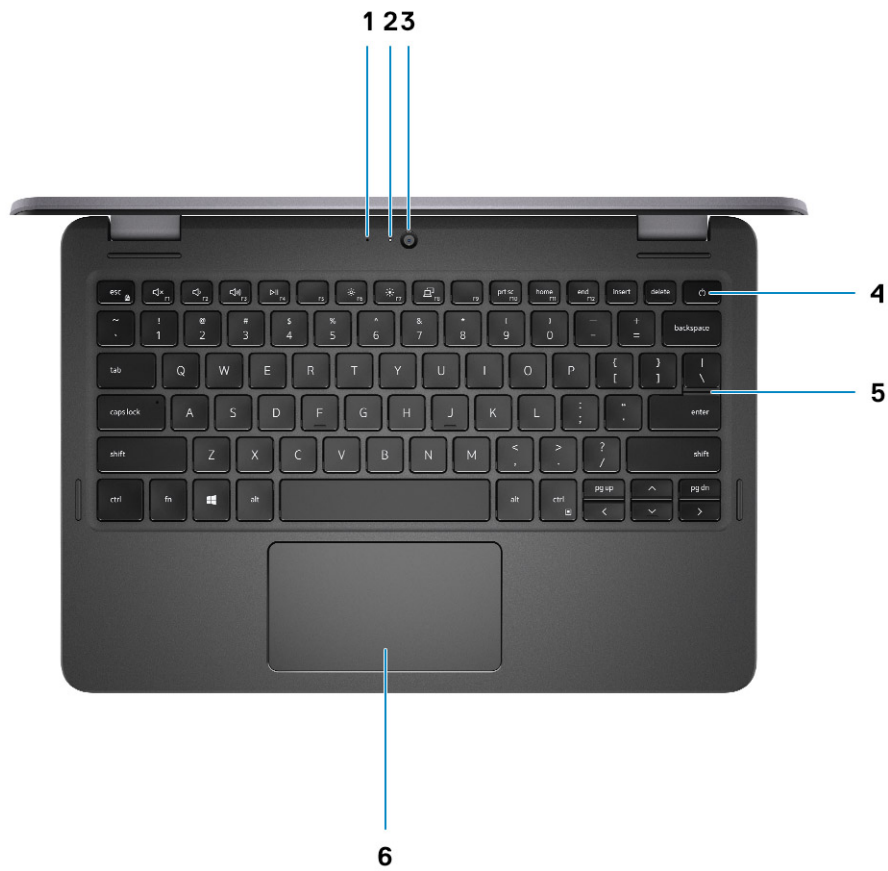
1. Microphone
2. Camera-status light
3. World facing camera
4. Power button
5. Keyboard
6. Touchpad

Front

Laptop
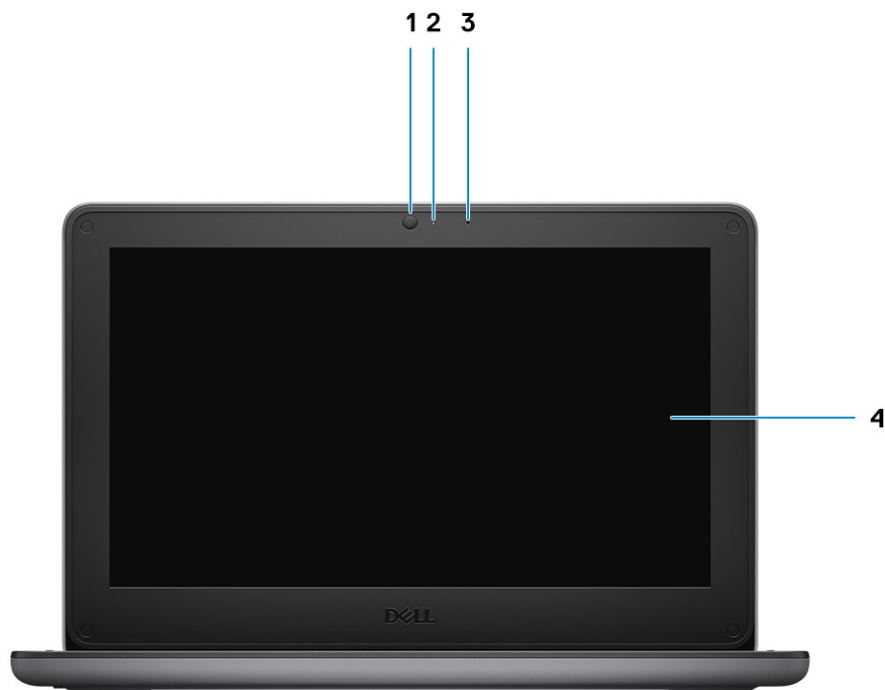
1. Front facing camera
2. Camera-status light
3. Microphone
4. Display panel

2-in-1
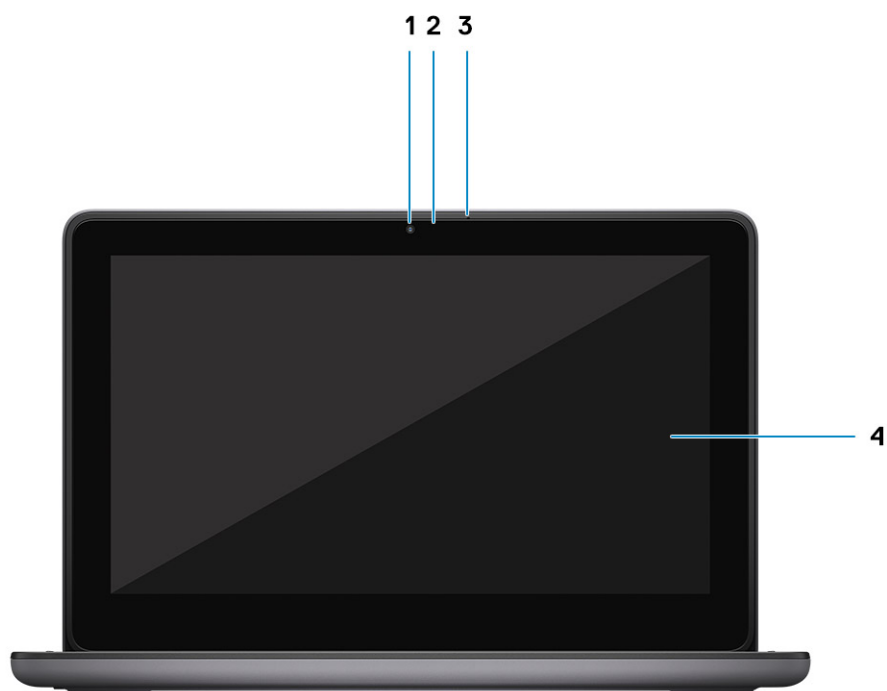
1. Front facing camera
2. Camera-status light
3. Microphone
4. Display panel

Bottom
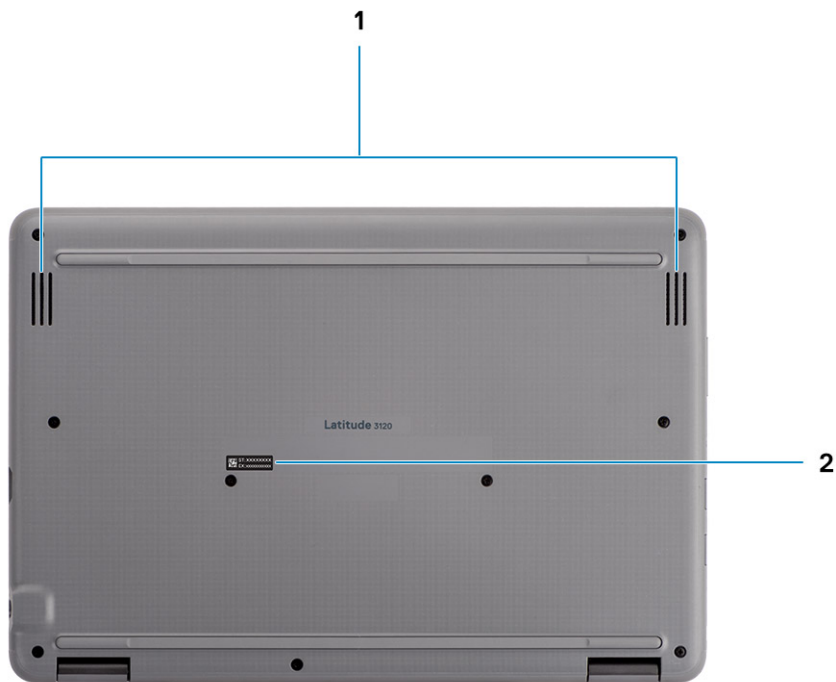
1. Speakers
2. Service tag label

Modes

ⓘ **NOTE:** The modes are applicable only to 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

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	20.90 mm (0.82 in.) - Laptop 21.40 mm (0.84 in.) - 2-in-1
	Rear height	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		1.35 kg (2.97 lb) - Laptop 1.42 kg (3.12 lb) - 2-in-1 (i) **NOTE:** The weight of your computer depends on the configuration ordered and manufacturing variability.

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

Your Latitude 3120 supports the following operating systems:

- Windows 11 Pro, 64-bit
- Windows 11 Pro National Academic, 64-bit
- Windows 11 Home, 64-bit
- Windows 11 Home National Academic, 64-bit
- 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
Memory type	- 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	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

Table 6. Memory specifications (continued)

Description	Values
	● 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	● 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	● One HDMI 1.4 port ● One DisplayPort Alt Mode (Pentium only)
Media-card reader	N/A
Power-adapter port	● 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 ⓘ **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.

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

Table 9. Wireless module specifications (continued)

Description	Option one (Pentium only)	Option two (Celeron only)
Frequency bands supported	2.4 GHz/5 GHz	2.4 GHz/5 GHz
Wireless standards	- WiFi 802.11a/b/g - Wi-Fi 4 (WiFi 802.11n) - Wi-Fi 5 (WiFi 802.11ac) - Wi-Fi 6 (802.11ax)	- WiFi 802.11a/b/g - Wi-Fi 4 (WiFi 802.11n) - Wi-Fi 5 (WiFi 802.11ac)
Encryption	64-bit/128-bit WEP - AES-CCMP - TKIP	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		Suppored
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
	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 solid-state drive
- 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	- 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
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		78.6º	76.6º

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, 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)	20 V / 3.25 A (Continuous) 15 V / 3 A (Continuous) 9 V / 3 A (Continuous) 5 V / 3 A (Continuous)
Rated output voltage		19.50 VDC	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, *Me and My Dell* 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, *Me and My Dell* 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, *Me and My Dell* 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)
Coin-cell battery		CR2032	CR2032

(i)| **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-inch, HD, non-touch	11.6-inch, 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 ● 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	● One HDMI 1.4 port	Shared system memory	Intel Celeron N5100/Pentium Silver N6000

Table 18. GPU—Integrated

Controller	External display support	Memory size	Processor
	● One DisplayPort Alt Mode over USB Type-C port (optional)		

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
ⷫ× F1	fn + ⷫ× F1	Mute audio
ⷪ) F2	fn + ⷪ) F2	Decrease volume
ⷪ)) F3	fn + ⷪ)) F3	Increase volume
▷ǁ F4	fn + ▷ǁ F4	Play/Pause
⌣ F5	fn + ⌣ F5	Toggle keyboard backlight (optional) ⓘ **NOTE:** Non-backlight keyboards have F5 function key without the backlight icon and does not support toggle keyboard backlight function.
☼ F6	fn + ☼ F6	Decrease brightness

Table 20. List of keyboard shortcuts (continued)

Function key	Redefined key (for multimedia control)		Behavior
F7 (brightness)	fn + F7 (brightness)		Increase brightness
F8 (external display)	fn + F8 (external display)		Switch to external display
prt sc F10	fn + prt sc F10		Print screen
home F11	fn + home F11		Home
end F12	fn + end F12		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
fn + B	Pause/Break
fn + S	Toggle scroll lock
fn + R	System request
fn + ctrl	Open application menu
fn + esc	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 `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.

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

(i) **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.