Computer model

Dell G3 3579

Dimensions and weight

Table 2. Dimensions and weight

Height	22.70 mm (0.89 in)
Width	380 mm (15 in)
Depth	258 mm (10.16 in)
Weight (approximate)	2.35 kg (5.18 lb)
	ⓘ NOTE: The weight of your computer varies depending on the configuration ordered and the manufacturing variability.

System information

Table 3. System information

Processor	8th Generation Intel Core i5/i7
Chipset	Mobile Intel HM370 chipset

Operating system

- Windows 10 Home (64-bit)
- Windows 10 Professional (64-bit)
- Ubuntu

Memory

Table 4. Memory specifications

Slots	Two SODIMM slots
Type	Dual-channel DDR4

Speed	2666MHz
Configurations supported:	
Per memory module slot	4 GB, 8 GB, and 16 GB
Total memory	4 GB, 8 GB, 12 GB, 16 GB, and 32 GB

Optane memory

Table 5. Optane memory specifications

Interface	PCIe 3x4, NVMe 2.0
Connector	M.2 Card slot (2280)
Configurations supported	• 16 GB • 32 GB

Ports and connectors

Table 6. External ports and connectors

External	
Network	One RJ-45 port
USB	• Two USB 3.1 Gen 1 ports • One USB 2.0 port • One Thunderbolt 3 port (optional)
Audio/Video	• One HDMI 2.0 port • One headset port (headphone and microphone combo) port

Table 7. Internal ports and connectors

Internal	
M.2 card	• One M.2 slot for the 2230 Wi-Fi and Bluetooth combo card • One M.2 slot for the 2280 solid-state drive

Communications

Table 8. Supported communications

Ethernet	10/100/1000 Mbps Ethernet controller integrated on system board
Wireless	• Wi-Fi 802.11ac • Bluetooth 4.1

Wireless module

Table 9. Wireless module specifications

Transfer rate	Up to 150 Mbps	Up to 433 Mbps	Up to 867 Mbps
Frequency bands supported	2.4 GHz only	Dual band 2.4 GHz/5GHz	Dual band 2.4 GHz/5GHz
Encryption	· 64-bit and 128-bit WEP · CKIP · TKIP · AES-CCMP	· 64-bit and 128-bit WEP · CKIP · TKIP · AES-CCMP	· 64-bit and 128-bit WEP · CKIP · TKIP · AES-CCMP

Camera

Table 10. Camera specifications

Resolution	· Still image: 1280 x 720 pixels · Video: 1280 x 720 at 30 fps
Diagonal-viewing angle	74 degrees

Video

Table 11. Video specifications

	Controller	Memory
Integrated	Not applicable	Not applicable
Discrete	· NVIDIA GeForce GTX 1060 Max-Q · NVIDIA GeForce GTX 1050/1050Ti	· 6 GB · 4 GB

Audio

Table 12. Audio specifications

Controller	Realtek ALC3204 with MaxxAudio Pro
Speakers	Two
Speaker output	
Average	2 W

Peak	2.5 W
Microphone	Dual-array microphones

Storage

Table 13. Storage specifications

Type	Interface	Capacity
One 2.5-inch Hard Disk Drive (HDD)	SATA, up to 6 Gbps	Up to 2 TB
One 2.5-inch Solid-State Hybrid Drive (SSHD)	SATA, up to 6 Gbps	Up to 1 TB
One M.2 2280 solid-state drive (SSD)	PCIe 3x4, up to 32 Gbps	Up to 512 GB

Media-card reader

Table 14. Media-card reader specifications

Type	One SD-card slot
Cards supported	• Secure Digital (SD) card • Multimedia Card (MMC)

Keyboard

Table 15. Keyboard specifications

Type	• Standard keyboard • Backlit keyboard (optional)
Shortcut keys	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. (i) NOTE: Press Fn+Esc to switch the primary behavior of the function keys (F1–F12) between two modes – multimedia key mode and function key mode. (i) NOTE: You can define the primary behavior of the function keys (F1-F12) by changing Function Key Behavior in BIOS setup program. Keyboard shortcuts

Touchpad

Table 16. Touchpad

Resolution:		
Horizontal		1229
Vertical		929
Dimensions:		
Width		105 mm (4.13 in)
Height		80 mm (3.15 in)

Touchpad gestures

For more information about touchpad gestures for Windows 10, see the Microsoft knowledge base article 4027871 at support.microsoft.com.

Power adapter

Table 17. Power adapter specifications

Type	130 W (For computers shipped with NVIDIA 1050 graphics card)	180 W (For computers shipped with NVIDIA 1060 graphics card)
Diameter (connector)	7.4 mm	7.4 mm
Input voltage	100 VAC-240 VAC	100 VAC-240 VAC
Input frequency	50 Hz-60 Hz	50 Hz-60 Hz
Input current (maximum)	1.80 A/2.34 A/2.50 A	1.80 A/2.34 A/2.50 A
Output current (continuous)	6.70 A/9.23 A	6.70 A/9.23 A
Rated output voltage	19.50 VDC	19.50 VDC
Temperature range:		
Operating	0°C to 40°C (32°F to 104°F)	
Storage	−40°C to 70°C (−40°F to 158°F)	

Battery

Table 18. Battery specifications

Type	4-cell "smart" lithium-ion (56 WHr)
Voltage	11.40 VDC
Weight (maximum)	0.2 kg (0.44 lb)
Dimensions:	
Height	5.90 mm (0.23 in)
Width	233.06 mm (9.18 in)
Depth	90.73 mm (3.57 in)
Temperature range:	
Operating	0°C to 35°C (32°F to 95°F)
Storage	−40°C to 65°C (−40°F to 149°F)
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.
Charging time (approximate)	4 hours (when the computer is off)
Life span (approximate)	300 discharge/charge cycles
Coin-cell battery	CR-2032
Operating time	Varies depending on operating conditions and can significantly reduce under certain power-intensive conditions.

Display

Table 19. Display specifications

Type	15.6-inch FHD non-touchscreen panel
Resolution (maximum)	1920x1080
Panel Technology	In-Plane Switching (IPS)
Gsync/Freesync support	No
Viewing angle	80/80/80/80
Pixel pitch	0.179 mm
Dimensions (excluding bezel):	
Height	0.179 mm

Width		223.80 mm (8.81 in)
Diagonal		396.24 mm (15.60 in)
Refresh rate		60 Hz
Operating angle		0 degree (closed) to 135 degrees
Controls		Brightness can be controlled using shortcut keys

Computer environment

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

Table 20. Computer environment

	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)	140 G†	160 G‡
Altitude (maximum)	0 m to 3048 m (0 ft to 10,000 ft)	0 m to 10,668 m (0 ft to 35,000 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.

‡ Measured using a 2 ms half-sine pulse when the hard-drive head is in parked position.