DELL G5 5587 Laptop 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-8750H 16 GB DDR4-SDRAM 1.26 TB HDD+SSD NVIDIA® GeForce® GTX 1060 Wi-Fi 5 (802.11ac) Windows 10 Home Black



Brand : DELL **Product family:** G5 **Product code:** RXHWN

Product name : 5587



Intel Core i7-8750H (2.2GHz, Cache 9MB, 6 Cores), 15.6" Full HD IPS (1920 x 1080), 16GB DDR4-SDRAM , 1TB HDD + 256GB SSD, NVIDIA GeForce GTX 1060 (6GB, GDDR5), Gigabit LAN, WLAN, Bluetooth, Windows 10 Home 64-bit

DELL G5 5587. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-8750H, Processor frequency: 2.2 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.26 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black

Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touch screen *	✗
HD type	Full HD
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:9
Pixel pitch	0.179 x 0.179 mm
Dual-screen	✗

Processor	
Processor manufacturer *	Intel
Processor generation	8th gen Intel® Core™ i7
Processor family *	Intel® Core™ i7
Processor *	i7-8750H
Processor frequency *	2.2 GHz
Processor boost frequency	4.1 GHz
Processor threads	12
System bus data transfer rate	8 GT/s
Processor number of cores	6
Processor cache	9 MB
Processor cache type	Smart Cache
Processor socket	BGA 1440
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Coffee Lake
Bus type	DMI
Stepping	U0
Motherboard chipset	Intel® HM370

Ports & interfaces	
Ethernet LAN (RJ-45) ports quantity	1
HDMI ports quantity *	1
HDMI version	2.0
Combo headphone/mic port	✓
Charging port type	DC-in jack
USB Type-C DisplayPort Alternate Mode	✓
PowerShare	✓
Number of USB ports with PowerShare support	1

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Island-style keyboard	✓
Full-size keyboard	✓
Windows keys	✓

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features	
Intel My WiFi Technology	✓
Intel Identity Protection Technology	✓
Intel Hyper-Threading Technology	✓
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✓
Thunderbolt™ 3 Technology	✓
Intel Clear Video HD Technology	✓
Intel Clear Video Technology	✓
Intel® InTru™ 3D Technology	✓
Intel® Quick Sync Video Technology	✓
Intel Flex Memory Access	✓
Intel AES New Instructions	✓

Processor

Thermal Design Power (TDP)	45 W
Configurable TDP-down	35 W
Configurable TDP-down frequency	1.7 GHz
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8+2x4, 2x8
ECC supported by processor	✗

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2666 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1.26 TB
Storage media *	HDD+SSD
Number of hard drives installed	1
Hard drive capacity	1 TB
Hard drive size	2.5"
Number of SSDs installed	1
Solid-state drive capacity	256 GB
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 1060
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E9B
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR5
Number of discrete graphics cards installed	1
NVIDIA G-SYNC	✓
NVIDIA GameWorks VR	✓
CUDA	✓
CUDA cores	1280

Audio

Audio chip	Realtek ALC3246-CG
Audio system	MaxxAudio Pro
Number of built-in speakers	2
Speakers manufacturer	Waves
Speaker power	2 W
Built-in microphone	✓

Processor special features

Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel® Secure Key	✓
Intel TSX-NI	✗
Intel Stable Image Platform Program (SIPP)	✗
Intel® OS Guard	✓
Intel Software Guard Extensions (Intel SGX)	✓
Intel Clear Video Technology for MID	✓
Intel 64	✓
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Processor package size	42 x 28 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR3YY
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✓
Processor ARK ID	134906

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	56 Wh
Battery voltage	15.2 V

Energy Management

AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19.5 V

Security

Cable lock slot	✓
Cable lock slot type	Noble
Password protection	✓

Operational Conditions

Operating temperature range (T-T)	0 - 35 °C
Storage temperature range (T-T)	-40 - 65 °C
Operating relative humidity range	10 - 90%
Storage relative humidity range	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Camera	
Front camera	✓
Front camera resolution (numeric)	0.92 MP
Front camera resolution	1280 x 720 pixels
Front camera signal format	720p
Front camera HD type	HD

Network	
Wi-Fi	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1

Weight & Dimensions	
Width	389 mm
Depth	274.7 mm
Height	25 mm
Weight *	2.7 kg

Packaging Content	
Manual	✓
Warranty card	✓
Power cord included	✓

Other features	
AC adapter bundled	✓
Maximum internal memory (64-bit)	32 GB
On/off button	✓