# ASUS ROG GL552VW-DH71 Intel® Core™ i7 i7-6700HQ Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 1 TB HDD NVIDIA® GeForce® GT 960M Wi-Fi 5 (802.11ac) Windows 10 Home Metallic

**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NB09I3-M00790

**Product name :** GL552VW-DH71

Intel Core i7-6700HQ (2.6GHz, 6M Cache), 16GB DDR4, 1000GB HDD, Intel HD Graphics 530 + NVIDIA GeForce GTX 960M, Ethernet, WLAN 802.11 a/b/g/n/ac, WebCam, Windows 10
ASUS ROG GL552VW-DH71. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6700HQ, Processor frequency: 2.6 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 TB, Storage media: HDD, Optical drive: DVD Super Multi. Operating system installed: Windows 10 Home. Product colour: Metallic

| Design | |
|---|---|
| Product type * | Laptop |
| Product colour * | Metallic |
| Form factor * | Clamshell |
| Market positioning | Gaming |

| Display | |
|---|---|
| Display diagonal * | 39.6 cm (15.6") |
| Display resolution * | 1920 x 1080 pixels |
| Touchscreen * | ✗ |
| HD type | Full HD |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |
| Display surface | Matt |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 6th gen Intel® Core™ i7 |
| Processor model * | i7-6700HQ |
| Processor cores | 4 |
| Processor threads | 8 |
| Processor boost frequency | 3.5 GHz |
| Processor frequency * | 2.6 GHz |
| System bus rate | 8 GT/s |
| Processor cache | 6 MB |
| Processor cache type | Smart Cache |
| Processor socket | BGA 1440 |
| Processor lithography | 14 nm |
| Processor operating modes | 64-bit |
| Processor series | Intel Core i7-6700 Mobile series |
| Processor codename | Skylake |
| Bus type | DMI3 |
| Stepping | R0 |
| Thermal Design Power (TDP) | 45 W |
| Configurable TDP-down | 35 W |

| Keyboard | |
|---|---|
| Pointing device | ThinkPad UltraNav |
| Numeric keypad * | ✔ |
| Full-size keyboard | ✔ |
| Windows keys | ✔ |

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

| Processor special features | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✔ |
| Intel® My WiFi Technology (Intel® MWT) | ✔ |
| Intel® Smart Response Technology | ✔ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✔ |
| Intel® Turbo Boost Technology | 2.0 |
| Intel® Small Business Advantage (Intel® SBA) | ✔ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |
| Intel Clear Video Technology | ✔ |
| Intel® InTru™ 3D Technology | ✔ |
| Intel® Insider™ | ✔ |
| Intel® Quick Sync Video Technology | ✔ |
| Intel Flex Memory Access | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✗ |
| Intel Enhanced Halt State | ✔ |

## Processor

| | |
|---|---|
| Tjunction | 100 °C |
| Maximum number of PCI Express lanes | 16 |
| PCI Express slots version | 3.0 |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 |
| ECC supported by processor | ✘ |

## Memory

| | |
|---|---|
| Internal memory * | 16 GB |
| Internal memory type | DDR4-SDRAM |
| Memory clock speed | 2133 MHz |
| Memory form factor | SO-DIMM |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 16 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 1 TB |
| Storage media * | HDD |
| Number of HDDs installed | 1 |
| HDD capacity | 1 TB |
| Optical drive type * | DVD Super Multi |
| Card reader integrated | ✔ |
| Compatible memory cards | MMC, SD, SDHC, SDXC |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | NVIDIA® GeForce® GT 960M |
| Discrete graphics card memory | 2 GB |
| Discrete graphics memory type | GDDR3 |
| On-board graphics card * | ✔ |
| Discrete graphics card * | ✔ |
| On-board graphics card family | Intel® HD Graphics |
| On-board graphics card model * | Intel® HD Graphics 530 |
| On-board graphics card base frequency | 350 MHz |
| On-board graphics card dynamic frequency (max) | 1050 MHz |
| Maximum on-board graphics card memory | 1.7 GB |
| On-board graphics card DirectX version | 12.0 |
| On-board graphics card OpenGL version | 4.4 |
| On-board graphics card ID | 0x191B |

## Audio

| | |
|---|---|
| Audio system | SonicMaster |
| Built-in microphone | ✔ |

## Camera

| | |
|---|---|
| Front camera | ✔ |

## Network

| | |
|---|---|
| Wi-Fi | ✔ |
| Top Wi-Fi standard * | Wi-Fi 5 (802.11ac) |
| Wi-Fi standards | 802.11a, Wi-Fi 5 (802.11ac), 802.11g, Wi-Fi 4 (802.11n) |
| Ethernet LAN | ✔ |
| Bluetooth | ✔ |
| Bluetooth version | 4.0 |

## Ports & interfaces

| | |
|---|---|
| USB 2.0 ports quantity * | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |

## Processor special features

| | |
|---|---|
| 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 Mobile Internet Devices (Intel CVT for MID) | ✔ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 42 x 28 mm |
| Supported instruction sets | SSE4.1, SSE4.2, AVX 2.0 |
| Processor code | SR2FQ |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Graphics & IMC lithography | 14 nm |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Identity Protection Technology version | 1.00 |
| Intel Smart Response Technology version | 1.00 |
| Intel Stable Image Platform Program (SIPP) version | 0.00 |
| Intel Secure Key Technology version | 1.00 |
| Intel Small Business Advantage (SBA) version | 1.00 |
| Intel TSX-NI version | 1.00 |
| Intel Virtualization Technology (VT-x) | ✔ |
| Processor ARK ID | 88967 |
| Conflict-Free processor | ✔ |

## Battery

| | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Number of battery cells | 4 |
| Battery capacity | 3200 mAh |
| Battery capacity * | 48 Wh |
| Battery life (max) | 5 h |

## Power

| | |
|---|---|
| AC adapter power | 120 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |

## Security

| | |
|---|---|
| Cable lock slot | ✔ |
| Cable lock slot type | Kensington |
| Password protection | ✔ |
| Password protection type | BIOS, HDD, User |

## Certificates

| | |
|---|---|
| Compliance certificates | RoHS |

## Sustainability

| | |
|---|---|
| Sustainability certificates | ENERGY STAR |

## Weight & dimensions

| | |
|---|---|
| Width | 384.5 mm |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| DVI port | ✘ |
| Headphone outputs | 1 |
| Combo headphone/mic port | ✔ |
| Docking connector | ✘ |

## Performance

| | |
|---|---|
| Motherboard chipset | Intel® HM170 |
| Repairability index | 5.2 |

## Weight & dimensions

| | |
|---|---|
| Depth | 256.9 mm |
| Height (front) | 3.27 cm |
| Height (rear) | 3.48 cm |
| Weight * | 2.59 kg |

## Packaging content

| | |
|---|---|
| AC adapter included * | ✔ |