



# ASUS ROG G752VM-RB71 notebook i7-6700HQ 43.9 cm (17.3") Full HD Intel® Core™ i7 16 GB DDR4-SDRAM 1000 GB HDD NVIDIA® GeForce® GTX 1060 Windows 10 Home Black, Grey, Orange

Brand : ASUS

Product family: ROG

Product code: G752VM-RB71

Product name : G752VM-RB71



Intel Core i7-6700HQ (6M Cache, 2.6GHz), Intel HD Graphics 530 + NVIDIA GeForce GTX 1060, 16GB RAM, 1TB HDD, Ethernet, Windows 10

ASUS ROG G752VM-RB71. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6700HQ, Processor frequency: 2.6 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1000 GB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 10 Home. Product colour: Black, Grey, Orange



| Design                     |                                  | Ports & interfaces                                       |                 |
|----------------------------|----------------------------------|--|-----------------|
| Product type *             | Notebook                         | Charging port type                                       | DC-in jack      |
| Product colour *           | Black, Grey, Orange              | <b>Keyboard</b>  |                 |
| Form factor *              | Clamshell                        | Pointing device  | Touchpad        |
| Market positioning         | Gaming                           | Numeric keypad *   | ✓               |
| <b>Display</b>             |                                  | Full-size keyboard                                       | ✓               |
| Display diagonal *         | 43.9 cm (17.3")                  | Windows keys   | ✓               |
| Display resolution *       | 1920 x 1080 pixels               | <b>Software</b>  |                 |
| Touchscreen *              | ✗                                | Operating system architecture                            | 64-bit          |
| HD type                    | Full HD                          | Operating system installed *                             | Windows 10 Home |
| LED backlight              | ✓                                | <b>Processor special features</b>                        |                 |
| Native aspect ratio        | 16:9                             | Intel® Wireless Display (Intel® WiDi)                    | ✓               |
| Display surface            | Matt                             | Intel® My WiFi Technology (Intel® MWT)                   | ✓               |
| <b>Processor</b>           |                                  | Intel® Smart Response Technology                         | ✓               |
| Processor manufacturer *   | Intel                            | Intel® Identity Protection Technology (Intel® IPT)       | ✓               |
| Processor generation       | 6th gen Intel® Core™ i7          | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓               |
| Processor model *          | i7-6700HQ                        | Intel® Turbo Boost Technology                            | 2.0             |
| Processor family *         | Intel® Core™ i7                  | Intel® Small Business Advantage (Intel® SBA)             | ✓               |
| Processor frequency *      | 2.6 GHz                          | Enhanced Intel SpeedStep Technology                      | ✓               |
| Processor boost frequency  | 3.5 GHz                          | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓               |
| Processor cores            | 4                                | Intel Clear Video Technology                             | ✓               |
| Processor threads          | 8                                | Intel® InTru™ 3D Technology                              | ✓               |
| System bus rate            | 8 GT/s                           | Intel® Insider™  | ✓               |
| Processor cache            | 6 MB                             | Intel® Quick Sync Video Technology                       | ✓               |
| Processor cache type       | Smart Cache                      | Intel Flex Memory Access                                 | ✓               |
| Processor socket           | BGA 1440                         | Intel® AES New Instructions (Intel® AES-NI)              | ✓               |
| Processor lithography      | 14 nm                            | Intel Trusted Execution Technology                       | ✗               |
| Processor operating modes  | 64-bit                           | Intel Enhanced Halt State                                | ✓               |
| Processor series           | Intel Core i7-6700 Mobile series |  |                 |
| Processor codename         | Skylake                          |  |                 |
| Bus type                   | DMI3                             |  |                 |
| Stepping                   | R0                               |  |                 |
| Motherboard chipset        | Intel CM236                      |  |                 |
| Thermal Design Power (TDP) | 45 W                             |  |                 |

| Processor   |                           | Processor special features  |                         |
|---|---------------------------|---|-------------------------|
| Configurable TDP-down                             | 35 W                      | Intel VT-x with Extended Page Tables (EPT)                                    | ✓                       |
| Tjunction   | 100 °C                    | Intel® Secure Key   | ✓                       |
| Maximum number of PCI Express lanes               | 16                        | Intel TSX-NI  | ✗                       |
| PCI Express slots version                         | 3.0                       | Intel Stable Image Platform Program (SIPP)                                    | ✗                       |
| PCI Express configurations                        | 1x16, 2x8, 1x8+2x4        | Intel® OS Guard   | ✓                       |
| ECC supported by processor                        | ✗                         | Intel Software Guard Extensions (Intel SGX)                                   | ✓                       |
| Memory  |                           | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✓                       |
| Internal memory *                                 | 16 GB                     | Intel 64  | ✓                       |
| Internal memory type                              | DDR4-SDRAM                | Execute Disable Bit   | ✓                       |
| Memory clock speed                                | 2400 MHz                  | Idle States   | ✓                       |
| Maximum internal memory *                         | 64 GB                     | Thermal Monitoring Technologies   | ✓                       |
| Storage   |                           | Processor package size  | 42 x 28 mm              |
| Total storage capacity *                          | 1000 GB                   | Supported instruction sets  | SSE4.1, SSE4.2, AVX 2.0 |
| Storage media *                                   | HDD                       | Processor code  | SR2FQ                   |
| Number of HDDs installed                          | 1                         | CPU configuration (max)   | 1                       |
| HDD capacity                                      | 1000 GB                   | Embedded options available  | ✗                       |
| Optical drive type *                              | DVD Super Multi           | Graphics & IMC lithography  | 14 nm                   |
| Card reader integrated                            | ✓                         | Intel Virtualization Technology for Directed I/O (VT-d)                       | ✓                       |
| Compatible memory cards                           | SD, MMC                   | Intel Identity Protection Technology version                                  | 1.00                    |
| Graphics  |                           | Intel Smart Response Technology version                                       | 1.00                    |
| Discrete graphics card model *                    | NVIDIA® GeForce® GTX 1060 | Intel Stable Image Platform Program (SIPP) version                            | 0.00                    |
| On-board graphics card *                          | ✓                         | Intel Secure Key Technology version   | 1.00                    |
| Discrete graphics card *                          | ✓                         | Intel Small Business Advantage (SBA) version                                  | 1.00                    |
| On-board graphics card family                     | Intel® HD Graphics        | Intel TSX-NI version  | 1.00                    |
| On-board graphics card model *                    | Intel® HD Graphics 530    | Intel Virtualization Technology (VT-x)  | ✓                       |
| On-board graphics card base frequency             | 350 MHz                   | Processor ARK ID  | 88967                   |
| On-board graphics card dynamic frequency (max)    | 1050 MHz                  | Conflict-Free processor   | ✓                       |
| Maximum on-board graphics card memory             | 1.7 GB                    | Battery   |                         |
| On-board graphics card DirectX version            | 12.0                      | Number of battery cells   | 6                       |
| On-board graphics card OpenGL version             | 4.4                       | Battery capacity *  | 67 Wh                   |
| On-board graphics card ID                         | 0x191B                    | Power   |                         |
| Discrete graphics card memory                     | 6 GB                      | AC adapter power  | 180 W                   |
| Discrete graphics memory type                     | GDDR5                     | AC adapter frequency  | 50 - 60 Hz              |
| Camera  |                           | AC adapter input voltage  | 100 - 240 V             |
| Front camera                                      | ✓                         | AC adapter output current   | 9.23 A                  |
| Network   |                           | AC adapter output voltage   | 19.5 V                  |
| Wi-Fi   | ✓                         | Security  |                         |
| Wi-Fi standards                                   | Wi-Fi 5 (802.11ac)        | Cable lock slot   | ✓                       |
| Ethernet LAN                                      | ✓                         | Cable lock slot type  | Kensington              |
| Ethernet LAN data rates                           | 10,100,1000 Mbit/s        | Password protection   | ✓                       |
| Bluetooth   | ✓                         | Password protection type  | BIOS, HDD, User         |
| Bluetooth version                                 | 4.1                       | Weight & dimensions   |                         |
| Ports & interfaces                                |                           | Width   | 428 mm                  |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4                         | Depth   | 334 mm                  |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   | 1                         | Height  | 43 mm                   |
| Ethernet LAN (RJ-45) ports                        | 1                         | Weight *  | 4.06 kg                 |
| HDMI ports quantity *                             | 1                         |   |                         |
| Mini DisplayPorts quantity                        | 1                         |   |                         |
| DVI port  | ✗                         |   |                         |
| Headphone outputs                                 | 1                         |   |                         |
| S/PDIF out port                                   | ✓                         |   |                         |
| Microphone in                                     | ✓                         |   |                         |

## Ports & interfaces

Docking connector



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