

MSI Gaming GS60 6QD(Ghost)-212BE (GS60 6QD-212BE)

Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 39.624 cm (15.6 ") Full HD (1920x1080) LED, 8GB DDR4, 256GB SSD, Intel HD Graphics 530 + NVIDIA GeForce GTX 965M 2GB GDDR5, Gigabit Ethernet, WLAN 802.11 ac, Bluetooth, FHD WebCam, Windows 10 Home 64-bit



Price details:

Price excl. VAT: 1,099.58 €

Eco fees: 0.00 €

VAT 21 %: 230.91 €

Product details:

Product code: GS60 6QD-212BE

EAN: 4719072441081

Manufacturer: MSI

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1,330.49 €

Product is discontinued. You can not order it anymore.

* VAT included

Latest 6th Generation Intel® Core i7 Processors

Skylake is codename of the brand new 14nm micro-architecture of Intel's latest 6th generation processors. The Skylake platform requires lower power consumption but delivers better performance than before. CPU performance of Core i7 6700HQ is 20% faster than i7 4720HQ under average usage. For optional models of GT series, will have special version of Core i7 6820HK with overclock capability from 3.7GHz to over 4GHz, the overclock frequency may differ depends on the CPU capability.

PCI-E GEN3x 4 SSD - LOAD GAMES IN SECONDS

Get in the game before everyone else with the latest PCI-E Gen 3.0x4 bandwidth utilizing NVMe technology on single M.2 SSD. Harness the full performance potential of the Gen 3.0 SSD through the optimization of the hardware and software outputting extreme read speeds up to 2200MB/s, 5x faster than SATA3 SSD's.

MSI "SHIFT" - Boost Performance under Controlled Noise & Temperature

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Switch between three profiles "Sport," "Comfort," and "Green" to reach balance between system performance and comfortable user experience.

SHIFT is activated by the FN + F7 hotkey combo, or via the Dragon Gaming Center.

- Runs CPU and GPU at the highest frequency for maximum performance.
- Limits GPU frequency to level 1. Maintain GPU temperature at a maximum of 89°C.
- Disables Intel Turbo boost and limits GPU frequency to level 2. Control CPU and GPU temperatures at a maximum of 85°C.

THUNDERBOLT 3

The latest and fastest interface Thunderbolt 3, supports up to 40Gbps data rate, supporting dual 4K displays with daisy chain capabilities. Support USB3.1 ultra speed devices, and up to 5V and 3A current output for charging. (Optional)

Connect 4K

Output dual 4K displays with single Super Port. Enjoy your game with double sensation.

Latest architecture DDR4-2133 Memory Support

Get the best possible performance out of your notebook with support of the advanced DDR4-2133 memory, achieving

over 2.9GB/s in reading speed and 3.2GB/s in writing. With over 30% faster performance than previous generations DDR3-1600, DDR4-2133 is the new laptop standard to take your extreme gaming experience to the next level.

COOLER BOOST 3: KEEP CALM UNDER PRESSURE

Heat is the most original element on earth. It's pure physics that more energy will generate more heat. Cooling is therefore a knotty task to tackle with. MSI exclusive Cooler Boost 3 technology creates dual thermal modules internally by allocating dedicated heat pipes for GPU and CPU. A total of 4 heat pipes and dual fans actively and effectively push heat out of the system.

INSANELY POWERFUL. NVIDIA GEFORCE GTX 965M

MSI is the world's first to offer this new high performance gaming GPU for gamers. Comparing with the old NVIDIA GTX 965M graphics card on a 4th generation Intel Core i7 platform, the new NVIDIA GTX 965M graphics card with an Intel Core i7-6700HQ is suggested to have a 15% performance enhancement.

TRUE COLOR TECHNOLOGY

MSI True Color Technology guarantees that each panel in a MSI notebook comes with the finest precision in color. After examination and an extensive factory calibration process by the MSI True Color Technology, the panel quality will be more accurate, close to 100% sRGB. Hence, each color is delivered with the highest standard precision in detail, guaranteeing excellent color fidelity for many use applications.

MSI has partnered with Portrait Displays, Inc. in developing a level of accuracy for display technology that sets a new standard. Trusting that the displays colors naturally represent the content is MSI's objective.

TRUE COLOR PROFILE

Vision and sound are the most important two factors in this field. You now get to see clearer than your enemies to always get one step ahead of the rest. Besides Gaming Mode, True Color Technology also offers perfect color accuracy for 5 more scenarios. Work or play, you can easily switch to the mode that best suits your eyes. The profile sharing feature permits you to share your True Color settings to other users anywhere.

MATRIX DISPLAY

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 3 external displays simultaneously (three external or built-in+two external). Multi-task is made possible even during competitive gameplays. Connect the laptop to HDTV display, Matrix Display supports 4K output with a resolution up to 3840 x 2160. MSI Matrix Display technology creates an ideal environment for extreme gaming experience and pleasant multimedia entertainment.

WORLD FIRST GAMING NOTEBOOK WITH WIDE-VIEWING ANGLE DISPLAY

Experience better image quality, the Wide-view angle panel enhanced 20% more contrast level and 20% more brightness level than TN panel, with vivid colors and consistent brightness levels whether you're looking at the screen from above, below, the front or the side.

ESS SABRE HIFI AUDIO DAC - EVOLVE DETAILS YOU HEAR

Push the limits of your audio peripherals and hear the difference with the SABRE Audio DAC. Support 32bit/384kbps sampling rate. Drive your high quality headset from 16ohm to 600ohm which gives highest sound detail, up to 127dBA DNR unmatched by PC, Mac or mobile devices DAC. Discover new details that you've been missing or maintain the upper-hand in competitive FPS matches where every bit of sound counts.

NAHIMIC VIRTUAL SURROUND SOUND - MILITARY TECHNOLOGY, THE NEXT GAMING STANDARD

Originally developed for military fighter jets, Nahimic specializes in 3D sound software processing and audio improvements offering virtual 7.1 sound in immersive high definition. Designed to work with standard audio and stereo equipment, Nahimic transports gamers into the action, allowing them to sense every footstep, hear every bullet whizzing past, and feel every explosion. It also features a high definition audio recorder to easily capture and stream studio quality sound and is only available on MSI gaming laptops.

Virtual Surround

Highly immersive 7.1 virtualization Brings an ultra realistic 360°Sound stage.

Bass boost

Powerful AND deep bass Emphasizes the sub frequencies of explosion shockwaves and brings vibrancy to the gaming soundtracks

FREQUENCY LEVELER

Because each sound can be decisive Raises up the highest frequencies in order to highlight all the important tiny details (footsteps, gunshot whistles…).

Noise gate & Noise reduction

Removes 90% of the noise Removes the noise from your communications. The result is a crystal clear in-game voice com in any situation.

SOUND BY DYNAUDIO

To satisfy consumers desire to experience high quality sound effects, MSI partnered with top audio brand Dynaudio, which has a devoted aspiration for "Authentic Fidelity" to meet this demanding standard. It equips the MSI GAMING-Series gaming notebook with top-notch audio features, creating a realistic sound and immersive effects. Dynaudio delivers an authentic sound experience by boosting power amplitude 50% more than the previous generation, meaning a volume increase over 10dBA. Any high quality stereo source is transformed into true-to-life, multi-channel sound. No need to purchase extra speakers, wires or speaker stands to appreciate room-filling sound.

The Real Deal:

A Keyboard All Gamers Desire For

Every hardware detail of this keyboard is calculated and especially designed for professional gamers' needs. Better responsive and tactile feedback, optimum WASD zone and support of multi-key inputs are all for gamers to gain full command over gaming missions.

CUSTOMIZE YOUR GAME STYLE

SteelSeries Engine is an app that transforms your keyboard in to a lethal gaming weapon. Here, you can customize each individual key, create different macros, manage keyboard lighting and customize the keyboard to your liking.

Freedom to Play

SteelSeries Engine will automatically recognize what game you are playing and open your saved profile(s) for that game. You can create your own profiles for other applications and then have SteelSeries Engine open the corresponding profile when you start up your application.

FRIENDLY UI DESIGN

The SteelSeries Engine is easy to understand by using pictorial representations of devices along with basic drag-and-drop techniques to assign key presses, complex macros, device profiles and buttons. Also features intuitive macro creation with customizable colors, fonts, and names for everything.

99% PROGRAMMABLE MACRO/HOTKEY

Every gamer can easily customize every individual key as hot key to personalize his own play style, greatly increase the convenience on key usage.

* FN, F1-F12 keys except

QUICKLY LAUNCH APPS WITH JUST ONE CLICK

Gamers can assign application launches to specific keys, avoiding the need to browse through endless menus.

4 keyboard layers options!!

There are 4 layers for gamers to set 4 usage scenario or game. Not only that, while playing the game, gamers can easily and quickly switch layer*, such as a chat screen with friends.

Communication with friends is not interrupted!!

*The layers switch key is "Fn+1~4"

Intelligent keypress macro capabilities

There are virtually unlimited keypress macro creation capabilities. Anything you can do on a mouse or a keyboard can be programmed along with specific event timing. You can even program mouse events into keyboard macros. Your macros will be running at a high priority in your computers Operating System, yet it does NOT interfere with your real time actions during gameplay.

Create your own text macro

Besides keypress macro, SteelSeries Engine also can create the text macro for gamers' talk. By this way, gamers can have simultaneously multi-party conversation and do not waste time in doing repetitive typing.

Create your own text macro

KLM (Keyboard light management)

Depending on your mood and desires, you can choose from more than 1,000 color combinations and five different scenario modes for the keyboard, enabling you to be the coolest gamer at any LAN party!

Unlimited profile possibilities

Profiles are sets of macros, button assignments, and device configurations that are frequently used together. An unlimited number of profiles, with customizable names, can be stored in the SteelSeries Engine. It provides predefined profiles for common games which can be used directly or as templates for your custom macros.

Statistics to analyze and improve

Whether you're playing an FPS or editing in Photoshop, being better and more efficient is something we want to help you achieve. Use the Statistics module to record your keyboard or mouse actions. Then review the peripheral heat map, which shows with both color and numbers the frequency of your key or button presses. You can then use this information to fine tune your macros as well as your key and mouse button assignments to optimize your tools to play (and work).

Silver Lining Print

See more and do more in the night with high-grade silver lining printed keys. See the full color spectrum on the SteelSeries multicolor keyboard and enjoy longer lasting keys worry free of long-term wear and tear.

*Optional for only few language keyboard layouts

KILLER SHIELD - SMOOTHER GAMEPLAY

One more protection for smoother uploads and download processes. Less ping rate floating reassures more fluent gameplays.

XSPLIT GAMECASTER VERSION 2 - SHOW OFF YOUR SKILLS TO THE WORLD

Get super professional live streams going by blending into the background with the Chroma Key function introduced in Xsplit Gamecaster Version 2. Record your gameplays and broadcast it live to Twitch, YouTube, UStream and etc.. You may also edit gameplay videos directly on this app. It's simple, easy to use and ideal for sharing your gameplay with friends, family or the world - or for capturing those perfect gaming moments, just for the heck of it. What's more exciting is that MSI extends premium license from 6 to 12 months. Now you get to explore and enjoy becoming a true professional streamer for a whole year for FREE.

STREAMING

Use XSplit Gamecaster to stream all of your gaming activities

WEBCAM & CHROMA KEY

Add a webcam and show your game face

SHARE YOUR BROADCAST

Share your broadcast and conquer the world

REALTIME NOTES

Draw attention whilst casting with in-game annotations

RECORD & UPLOAD

Organize and upload your greatest gaming moments

TRIDEF SMARTCAM INTEGRATION

Revolutionary background removal without the need of a green screen.

ADAPTIVE BITRATE TECHNOLOGY

Automatically adjusts your bitrate to minimize connection drops so you can enjoy uninterrupted streaming.

Main specifications:

Design

| | |
|---------------------|-----------|
| Colour of product: | Black |
| Product type: | Notebook |
| Form factor: | Clamshell |
| Market positioning: | Gaming |

Display

| | |
|---------------------|--------------------|
| Display diagonal: | 15.6 " |
| Display resolution: | 1920 x 1080 pixels |
| Touchscreen: | N |
| LED backlight: | Y |
| HD type: | Full HD |
| 3D: | N |
| Display surface: | Matt |
| Aspect ratio: | 16:9 |
| Panel type: | IPS |

Processor

| | |
|--------------------------------------|----------------------------------|
| Processor frequency: | 2.6 GHz |
| Processor family: | Intel Core i7-6xxx |
| Processor model: | i7-6700HQ |
| Processor boost frequency: | 3.5 GHz |
| Processor cores: | 4 |
| Processor threads: | 8 |
| System bus rate: | 8 GT/s |
| Processor cache: | 6 MB |
| Processor socket: | BGA 1440 |
| Processor cache type: | Smart Cache |
| Motherboard chipset: | Intel HM170 |
| Processor lithography: | 14 nm |
| Processor operating modes: | 64-bit |
| Stepping: | R0 |
| Bus type: | DMI3 |
| Processor codename: | Skylake |
| Thermal Design Power (TDP): | 45 W |
| Processor series: | Intel Core i7-6700 Mobile series |
| FSB Parity: | N |
| Maximum number of PCI Express lanes: | 16 |
| PCI Express slots version: | 3.0 |
| PCI Express configurations: | 1x16,2x8,1x8+2x4 |
| Configurable TDP-down: | 35 W |
| Tjunction: | 100 °C |
| Conflict Free processor: | Y |
| ECC supported by processor: | N |

Memory

| | |
|--------------------------|------------|
| Internal memory: | 8 GB |
| Internal memory type: | DDR4-SDRAM |
| Maximum internal memory: | 32 GB |
| Memory slots: | 2x SO-DIMM |
| Memory form factor: | SO-DIMM |

Storage

| | |
|-----------------------------|--------------|
| Total storage capacity: | 256 GB |
| Storage media: | SSD |
| Card reader integrated: | Y |
| Solid-state drive capacity: | 256 GB |
| Compatible memory cards: | SD,SDHC,SDXC |

Graphics

| | |
|----------------------------|---|
| On-board graphics adapter: | Y |
|----------------------------|---|

| | |
|---|-------------------------|
| Discrete graphics adapter: | Y |
| On-board graphics adapter model: | Intel HD Graphics 530 |
| Discrete graphics adapter model: | NVIDIA GeForce GTX 965M |
| On-board graphics adapter family: | Intel HD Graphics |
| On-board graphics adapter base frequency: | 350 MHz |
| On-board graphics adapter dynamic frequency: | 1050 MHz |
| Maximum on-board graphics adapter memory: | 1.7 GB |
| Number of displays supported (on-board graphics): | 3 |
| Discrete graphics adapter memory: | 2 GB |
| Discrete graphics memory type: | GDDR5 |
| NVIDIA G-SYNC: | Y |
| On-board graphics adapter DirectX version: | 12 |
| On-board graphics adapter OpenGL version: | 4.4 |
| On-board graphics adapter ID: | 0x191B |
| Graphics adapter Open GL support: | Y |

Audio

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|------------------------|--------------------------|
| Audio system: | Nahimic sound technology |
| Speakers manufacturer: | Dynaudio |
| Built-in microphone: | Y |

Camera

| | |
|--------------------------|--------------------|
| Front camera: | Y |
| Front camera resolution: | 1920 x 1080 pixels |

Optical drive

| | |
|---------------------|---|
| Optical drive type: | N |
| LightScribe: | N |

Networking

| | |
|--------------------------|--------------------|
| Bluetooth: | Y |
| 3G: | N |
| 4G: | N |
| Wi-Fi: | Y |
| Wi-Fi standards: | 802.11ac |
| Ethernet LAN: | Y |
| Ethernet LAN data rates: | 10,1000,100 Mbit/s |
| Bluetooth version: | 4.1 |

Ports & interfaces

| | |
|--|-----|
| USB 3.0 (3.1 Gen 1) Type-A ports quantity: | 2 |
| HDMI ports quantity: | 1 |
| USB 3.1 (3.1 Gen 2) Type-C ports quantity: | 1 |
| HDMI version: | 1.4 |
| DVI port: | N |
| Ethernet LAN (RJ-45) ports: | 1 |
| Headphone outputs: | 1 |
| Microphone in: | Y |
| S/PDIF out port: | N |
| Docking connector: | N |
| DC-in jack: | Y |
| ExpressCard slot: | N |
| CardBus PCMCIA slot type: | N |
| SmartCard slot: | N |
| Mini DisplayPorts quantity: | 1 |

Keyboard

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|-------------------|----------|
| Numeric keypad: | Y |
| Pointing device: | Touchpad |
| Windows keys: | Y |
| Keyboard backlit: | Y |

Software

| | |
|--------------------------------|-----------------|
| Operating system installed: | Windows 10 Home |
| Operating system architecture: | 64-bit |

Processor special features

| | |
|---|---|
| Intel® Wireless Display (Intel® WiDi): | Y |
| Intel® My WiFi Technology (Intel® MWT): | Y |
| Intel® Anti-Theft Technology (Intel® AT): | N |
| Intel® Smart Response Technology: | Y |

| | |
|--|-----------------------|
| Intel® Identity Protection Technology (Intel® IPT): | |
| Intel® vPro® Technology: | N |
| Intel® Hyper Threading Technology (Intel® HT Technology): | |
| Intel® Turbo Boost Technology: | 2.0 |
| Intel® Small Business Advantage (Intel® SBA): | Y |
| Enhanced Intel SpeedStep Technology: | Y |
| Intel® Built-in Visuals Technology: | Y |
| Intel HD Graphics: | Y |
| Intel® Clear Video HD Technology (Intel® CVT HD): | |
| Intel Clear Video Technology: | Y |
| Intel® InTru® 3D Technology: | Y |
| Intel® Insider®: | Y |
| Intel® Quick Sync Video Technology: | Y |
| Intel Flex Memory Access: | Y |
| Intel® Smart Cache: | Y |
| Intel® AES New Instructions (Intel® AES-NI): | Y |
| Intel Trusted Execution Technology: | Y |
| Intel Enhanced Halt State: | Y |
| Intel VT-x with Extended Page Tables (EPT): | Y |
| Intel Demand Based Switching: | N |
| Intel® Secure Key: | Y |
| Intel TSX-NI: | Y |
| Intel Stable Image Platform Program (SIPP): | Y |
| Intel® OS Guard: | Y |
| Intel Software Guard Extensions (Intel SGX): | 1 |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID): | |
| Intel 64: | Y |
| Execute Disable Bit: | Y |
| Idle States: | Y |
| Thermal Monitoring Technologies: | Y |
| Processor package size: | 42 mm |
| Supported instruction sets: | SSE4.1,SSE4.2,AVX 2.0 |
| Processor code: | SR2FQ |
| CPU configuration (max): | 1 |
| Embedded options available: | N |
| Graphics & IMC lithography: | 14 nm |
| Intel Virtualization Technology for Directed I/O (VT-d): | Y |
| Intel Smart Response Technology version: | 1.00 |
| Intel Stable Image Platform Program (SIPP) version: | 1.00 |
| 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): | Y |
| Intel Dual Display Capable Technology: | N |
| Intel FDI Technology: | N |
| Intel Rapid Storage Technology: | N |
| Intel Fast Memory Access: | N |
| Processor ARK ID: | 88967 |

Battery

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|--------------------------|---|
| Number of battery cells: | 6 |
|--------------------------|---|

Power

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|-------------------|-------|
| AC adapter power: | 150 W |
|-------------------|-------|

Weight & dimensions

| | |
|---------|----------|
| Weight: | 2000 g |
| Width: | 390 mm |
| Depth: | 266 mm |
| Height: | 20.05 mm |

Packaging data

| | |
|----------------------|---|
| AC adapter included: | Y |
|----------------------|---|

*PLEASE NOTE: Every effort has been made to ensure the accuracy of all information contained herein. Lasystems makes no warranty expressed or implied with respect to accuracy of the information, including price, editorials or specifications. Lasystems or its suppliers shall not be liable for incidental, consequential or special damages arising from, or as a result of, any electronic transmission or the accuracy of the information contained herein, even if Lasystems has been advised of the possibility of such damages. Product and manufacturer names are used only for the purpose of identification.