



msi[®]



BEST MEETS BEST REACH NEW HEIGHTS

GL62M

GL62M 7REX / 7RDX Datasheet

**GEARED WITH LATEST
7th GEN. INTEL[®] CORE[™] i7 PROCESSOR &
GEFORCE[®] GTX 10 SERIES GRAPHICS**

Performance

7th GENERATION INTEL[®] CORE[™] i7 PROCESSORS

The perfect combination of MSI gaming laptops and 7th Generation Intel[®] Core[™] i7 Processors shall bring you up to 10% performance enhancement of smoother VR experience.

The 7th generation Intel Core H series processor utilizes a power-efficient microarchitecture, advanced process technology and silicon optimizations to deliver faster performance than processors of the previous generation. CPU core performance of Core i7-7700HQ is 8% faster than i7-6700HQ under average usage. CPU multimedia performance is enhanced, making it 10% faster than i7-6700HQ. 4K video decoding/transcoding is also improved 15%.

The new media engine of the 7th generation Intel Core H series processor also delivers power-efficient VP9 and HEVC 10-bit hardware acceleration. 4K video playback with HDR visual quality is therefore significantly improved versus previous generation processors.

* This feature may vary by SKU and country



PCI-E GEN3 X4 SSD – ULTRA SPEED STORAGE

Get in the game before everyone else with the latest PCI-E Gen 3.0 x4 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.

* This specification may vary by model.



LATEST ARCHITECTURE DDR4-2400 MEMORY SUPPORT

Get the best possible performance out of your notebook with support of the advanced DDR4-2400 memory, achieving over 32GB/s in reading speed and 36GB/s in writing. With over 40% faster performance than previous generations DDR3-1600, DDR4-2400 is the new laptop standard to take your extreme gaming experience to the next level.



Performance

COOLER BOOST 4 ENHANCED COOLING DESIGN FOR HIGHER POWER GAMING

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 4 technology creates dual thermal modules internally by allocating dedicated heat pipes for GPU and CPU. One click on the fan boost button, a total of 6 heat pipes and dual fans actively and effectively push heat out of the system, making the cooling design the highest level of its kind.

* The fan boost button is available only on certain models.



DYNAMIC TEMPERATURE / PERFORMANCE BALANCING

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Default setting is at Sport mode. Switch between five profiles "Turbo", "Sport", "Comfort", "ECO/Green", and "User" modes to either push your system to the extreme or in the pursuit of longer battery life.

What gamers would love most about this feature is probably the Sport and the Turbo modes.

Sport mode ensures that MSI gaming notebook runs faster than the rest whereas Turbo mode permits pro-gamers to manually adjust the CPU and GPU clock to overclock the system of K series CPU but still keeps down the system temperature and noise level.

* SHIFT can be activated by pressing the FN + F7 hotkey combo, or via the Dragon Gaming Center.



FASTER, SMALLER AND MORE CONVENIENT USB TYPE-C INTERFACE

The SuperSpeed transfer mode supports transferring data up to 5Gbps, around 10X faster than the previous USB 2.0 standard. The USB Type-C port is smaller than the old Type-A port and reversible design makes it more convenient than before. The USB3.0 is backwards compatible with USB 2.0.



Visuals

NVIDIA'S LATEST GEFORCE® GTX 1050 Ti (7REX) / GTX 1050 (7RDX) GPU IS READY TO AMAZE YOU ON MSI GAMING NOTEBOOKS

MSI is the world's 1st gaming notebook to have this latest generation of GeForce® GPU solution. 3D performance of GeForce® GTX 1050 Ti (7REX) GPU is improved more than 15% than GeForce® GTX 965M graphics for better gaming experience. And GTX 1050 (7RDX) is improved more than 30% compared with GTX 960M.

With the innovative Cooler Boost 4 cooling solution and MSI's special gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 10 Series GPU shall be able to release its full performance completely on MSI gaming laptops. By offering smooth gaming experience, MSI is going to shatter desktop performance cliché and amaze gamers with refreshing point of views on MSI gaming laptops.



94% NTSC WIDE-VIEW PANEL

The 94% NTSC panel delivers higher color range, presenting smoother color stage image output. Moreover, the wide-view characteristic of this panel allows clear view even from left and right side of the viewing angle.

* This feature may vary by SKU and country.



MULTI-TASK WITH UP TO 3 MONITORS

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 2 external displays simultaneously through 1x HDMI port* and 1x Mini DisplayPort 1.2. 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.

* HDMI 4K@30Hz.





62M
- Features -

Audio

OUTSTANDING HEADPHONE AUDIO WITH GOLDEN FLASH JACK

The MSI Audio Boost design enhances the output sound detail and sound stage by 30% more. The golden flash audio jack provides stable sound transmission (reduced obstruction) and works in conjunction with the optimized headsets AMP (Audio Power Amplifier) design, with low noise and low distortion characteristics, to greatly enhance headphone performance and faithfully reproduce each acoustic detail.



NAHIMIC 2 3D VIRTUAL SURROUND SOUND - "I SEE YOUR SOUND"

Nahimic Technology was first adopted by French army into its fighting aircraft training simulators. Nahimic specializes in 3D virtual surround sound processing and audio improvement. Moreover, Nahimic eliminates background noise, thus, enhances clarity of dialogues during conversations. The special function, Sound Tracker, introduced in Nahimic 2, permits gamers to "see the direction and distance of the enemy's sound".



Control

THE REAL DEAL: A KEYBOARD ALL GAMERS DESIRE FOR

Every hardware detail of this keyboard is calculated and especially designed for professional gamers' needs. The keyboard has ergonomically-designed keys with 1.9mm of key travel for better responsive and tactile feedback, optimum WASD zone and support of anti-ghosting capability for up to 45 keys. Mechanical-level Shielding solution makes the gaming notebook keyboard the most solid ever. All these gaming features are all designed for gamers to gain full command over gaming missions.



SILVER LINING PRINT

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



ONE APP, TOTAL CONTROL OF YOUR GAMING SYSTEM

Dragon Center provides six functions to get a total control of your personal computer : easy access to all apps at once (App Portal), real-time system performance monitor (System Monitor) and LED effect control (LED Wizard). Moreover, under System Tuner tab, users may adjust parameters through MSI VR Ready / X Boost / True Color technologies, modify Fans Speed and activate the SHIFT technology to achieve Dynamic Temperature / Performance Balancing or to overclock the system GPU. All of these functions can be done in just one click.

Mobile monitor and adjust your system profile and LED settings are also made possible (Mobile Center). When in need of solving a problem, click on the Tool & Help tab to get consult immediately. Dragon Center empowers users to facilitate tweaking process without occupying system resources.



DRAGON CENTER



↔ Streaming

WTFast – JUST FASTER THAN THE REST

WTFast is the Gamers Private Network. It is like a global automated army of IT specialists all working together to optimize your game connection from end to end. WTFast reports rich connection stats for your online game, so you can see exactly what is happening with your game connection.

- Built just for MMO gamers
- Reduce average ping
- Greatly reduce connection flux, spikes and packet loss
- MSI Exclusive 2-month premium license

*Please register in below website and download the WTFast software, thank you! <https://gaming.msi.com/promotion/wtfast>

WTFast



msi®

62M

- Dimension & I/O -

383mm

260mm

15.6"

2.2kg



Game Sprit Icon -
Dragoon Army Logo

Keyboard by
Steelseries with red
color backlighting



C-side with Fancy Red
Frame in face and back

USB2.0

Card Reader

USB3.0

USB3.0

USB3.0 Type-C

22~29mm

RJ45

HDMI

miniDP

HP-out/mic-in



Model Name	GL62M 7REX / GL62M 7RDX
Processor	Latest 7 th Gen. Intel® Core™ i7 processor
Operating System	Windows 10 Home Windows 10 Pro
Chipset	Intel® HM175
Memory	DDR4-2400, 2 slots, up to 32GB
Display	15.6" Full HD (1920x1080), IPS level panel (Optional) 15.6" Full HD (1920x1080), 94%NTSC wide-view panel(Optional)
Graphics	Latest GeForce® GTX 1050 Ti / 2GB GDDR5 (7REX) Latest GeForce® GTX 1050 / 2GB GDDR5 (7RDX)
Storage	1 x 2.5" HDD + 1 x NVMe M.2 SSD by PCIe Gen3 X4 / SATA-SSD Combo
Keyboard	Single-color backlighting (Red) SteelSeries keyboard / Silver Lining Print
Audio	4 Speakers / Exclusive Audio Boost Technology / Nahimic 2 Audio Enhancer
USB 3.1/3.0/2.0	1x USB 3.0 Type-C / 2 / 1
Card Reader	SD(XC/HC)
Video Output	HDMI (4K@ 30Hz)
Mic-in/Headphone out	1/1
WiFi	802.11ac
Bluetooth	Bluetooth v4.2
Webcam	HD type (30fps@720p)
Battery	6-Cell
Power Adapter	150W
Dimension	383(W) x 260(D) x 22~29(H) mm
Weight	2.2Kg