



we (take) care

**Claesen
Computersystems**

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Code:

Vendor code:

EAN code:

Intel Core i7-8750H (9M Cache, 2.20 GHz), 43.942 cm (17.3") Full HD (1920x1080) LED, 16GB DDR4, 256GB SSD + 1TB SATA HDD, Intel UHD Graphics 630 + NVIDIA GeForce GTX 1070 8GB GDDR5, Gigabit Ethernet, WLAN 802.11ac, Bluetooth, HD Webcam, Windows 10 Home 64-bit

HEXA-ORDINARY PERFORMANCE 8TH GEN INTEL® CORE™ i7 PROCESSORS

Take a huge leap in performance with the 1st-ever Hexa Core notebook processors! Experience boosted gameplay and faster rendering by up to 40% with the extra cores. The more the merrier!

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.

DYNAMIC TEMPERATURE / PERFORMANCE BALANCING

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Switch between different profiles either push your system to the extreme or in the pursuit of longer battery life. Easily activate it by pressing the FN + F7 hotkey combo, or via the Dragon Center.

ONE PORT FOR ULTRA DATA TRANSFER, 4K PIXELS AND 5V/3A DEVICE CHARGING

MSI is the first in the world to adopt the Thunderbolt 3 interface on its gaming notebooks. The latest and fastest interface Thunderbolt 3 supports up to 40Gbps data transfer rates and 4K displays with daisy chain capabilities. Its USB 3.1 ultra speed interface supports up to 5V and 3A current output for charging.

CONNECT 4K

60Hz display with single Thunderbolt™ 3. Enjoy your game with double the sensation.

COOLER BOOST TRINITY

TRIPLE ENHANCED FANS FOR ULTRA SLIM PLATFORM

Cooler Boost Trinity consists of triple enhanced fans, the Whirlwind Blade. The design of 0.2mm thin 47 fan blades, effectively increasing over 45% air pressure and 14% airflow at the same RPM. Independent thermal solution on both CPU and GPU with a total of 5 heat pipes makes sure that heat doesn't pile up on either CPU or GPU so that both can deliver its best extreme gaming performance.

GAME READY

GEFORCE® GTX 10 Series.

This is the ultimate gaming experience, fueled by the fastest performance, most advanced gaming technologies, and best gaming ecosystem.

PERFORMANCE

GeForce GTX 10-Series GPUs give you up to 3X the performance of previous-generation GPUs. They're built with ultra-fast FinFET, the latest high-bandwidth memory technologies, and support for DirectX 12 features to deliver the fastest, smoothest gaming notebook experiences.

NVIDIA'S LATEST GEFORCE® GTX 1070 GPU

IS READY TO AMAZE YOU ON MSI GAMING NOTEBOOKS

With the innovative Cooler Boost cooling solution and MSI's special gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 1070 GPU shall be able to release its full performance completely on MSI gaming laptops.

EMBRACE THE ENTHUSIAST LEVEL VIRTUAL REALITY EXPERIENCE

The perfect combination of MSI gaming laptops and Nvidia next gen. graphics (GeForce® GTX 1080 / GTX 1070 / GTX 1060) shall bring you the enthusiast level of VR experience. Certified by both Nvidia and VIVE, MSI is the 1st VR ready gaming laptop brand. We provide an exceptionally smooth, powerful mobile platform for ultimate VR games. Perfect for you to immerse in the amazing artificial world and explore new ways of gaming.

WIN BY A MILLISECOND FASTER– WORLD'S FIRST 120HZ 3MS GAMING (OPTIONAL)

As the only gaming laptop with Full HD at 120Hz refresh rate and 3ms response time panel, this is the go-to companion you can count on to never lose a detail during chaotic gameplays. The level of realism is drawn from the panel's ability to produce up to 120 picture frames per second, topped with 94% NTSC Color Gamut calibration to bring you the most vibrant visuals for your ultimate entertainment pleasures.

MATRIX DISPLAY

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 3 +1 external displays simultaneously (three external + built-in). 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.

NEW DEFINITION OF SLIMNESS - 19.6MM THIN, WEIGHING MERELY 2.4KG

MSI engineers refine every delicate detail to strike a balance between portability and performance. MSI GS gaming

series is surely the ideal choice for gamers who refuse to compromise. One shall not be able to find another gaming notebook in the world that delivers such a powerful performance within a chassis only 19.6mm thin. GS73 Stealth adopts a lightweight chassis, making it 40% stiffer than an aluminum-only chassis and the world's lightest gaming notebook, weighing just 2.4kg.

TRUE COLOR 2.0

THE NEXT-TO-PERFECT COLOR PRESENTATION

Nothing is perfect, but closing in on perfection is as close as it gets. MSI True Color Technology, partnered with Portrait Displays, Inc. spawned a new height for the display technology. Each panel will undergo thorough examinations and an extensive factory calibration process so that each color is presented with the utmost precision in details, guaranteeing exceptional color fidelity of close to 100% sRGB. The 2.0 version offers better accuracy and compatibility, as well as intuitive user-friendly functions.

ONLY EVERYTHING IN 3D!

TriDef VR enables gamer to play their favorite games in 3D on your HMD(head mounted display). DirectX 9,10 and 11 games have been pre-configured to generate an optimal 3D experience using GenMe's industry leading 2D-to-3D conversion technology. TriDef VR allows users to tweak their HMD to provide optimal user experience. It is compatible with both Oculus Rift and HTC Vive. It also offers an unique head tracked, hands-free user interface to allow users to launch games at will while wearing HMD. Most importantly, MSI offers a 3-month free license to let gamers to fully benefit from the TriDef and get more from their VR.

MSI NOTEBOOKS WITH ESS SABRE HiFi ARE READY FOR HIGH-RESOLUTION AUDIO

High-Resolution Audio refers to a collection of digital processes and formats that allow the encoding and playback of music using up to 6.5x higher sampling rates than the standards used in CDs. The most commonly used specifications of Hi-Res Audio are 24 bit/96 kHz (3.2x more data transmitted than CD) and 24 bit/192 kHz (6.5x more data transmitted than CD). While offering a sampling rate of 24 bit/192 kHz on GT73 and GS series models, MSI also offers the highest sampling rate standard, 32 bit/384 kHz (17.3x more data transmitted than CD), on its top level GT83 and GT75 gaming notebooks. MSI GT and GS series notebooks with ESS Sabre HiFi DAC are now the 1st in the world to be ready to broadcast any Hi-Res Audio with the highest quality.

IMMERSIVE GAMING WITH TOP-NOTCH AUDITORY SENSATION

To satisfy consumers' desire to experience high quality sound effects, MSI partners with top audio brand Dynaudio, which has a devoted aspiration for "Authentic Fidelity" to meet this demanding standard and whose loudspeaker systems are often applied by German cars. It equips the MSI G-Series notebooks with top-notch audio features, creating a realistic sound and immersive effects. The Dynaudio speakers boost power amplitude 50% more than the previous generation, meaning a volume increase over 10dBA. All 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.

ALL NEW NAHIMIC 3 - FOR NEXT LEVEL AUDIO IMMERSION

Get ready to be amazed by the all new Nahimic 3 and live the gaming immersion like never before! With simple and intuitive new UI, the Nahimic 3 not only further enhances in game 3D surround sound, but also offers even more finite control over your music, movies, and conference calls.

LIVE THE COMPLETE AND IMMERSIVE VR EXPERIENCE

Unchain the multichannel audio engine of your VR video game with Nahimic VR. More and more VR video games will be supporting the 7.1 audio surround. Unfortunately, they are locked in stereo. Nahimic VR is the world first

audio solution to bring the 7.1 sound to a regular stereo headset. We provide specific audio algorithms that are capable of improving the 3D sound field drastically over HDMI and USB output. The result is a full and breathtaking VR experience for the gamers through combining VR video and 3D audio all together at once. Just click on the Nahimic VR button to turn on the VR audio effect through the Dragon Center, and prepare to be stunned!

PER-KEY RGB GAMING KEYBOARD BY STEELSERIES

SHINING IS JUST THE NEW MUST

Control and program every key individually - Per-Key RGB backlighting giving you the finest control over illumination, creating virtually endless combinations in 16.8 million colors. Besides, its ergonomic design with 1.9mm key travel for better responsive, optimum WASD zone and support of anti-ghosting for up to 45 keys.

DRAGON CENTER 2.0 – FREE BUFF FOR YOUR RIG

The redesigned Dragon Center 2.0 takes optimization to a whole new level. Now it not only monitors but also optimizes system performance through various customizable profiles, and freeing up system memories to prioritize in-game performance.

SYSTEM OPTIMIZATION

Free up memory and prioritize game applications

LIGHTING OPTIMIZATION

Interactive keyboard lighting for various gameplay

PROFILE OPTIMIZATION

Optimize True Color and Nahimic for gaming

STEELSERIES ENGINE 3 (SSE3) – TARGET, POSITION, AIM AND FIRE

During gameplay, SteelSeries Engines 3 serves as your firearm. With SSE3, you get to suit up your weapon with cool look by lightening it up with multiple backlit colors, transform your keyboard into a high technology firearm by setting up several keys into one key command and cloud syncing all SteelSeries gears together.

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.

KILLER DOUBLESHOT PRO – PROTECTING YOUR PING

Stop losing games to lag with Killer DoubleShot Pro. Protect and prioritize networking traffic while preventing lag spikes so you can game without fear and play at your best. Select programs you want your network to prioritize to ensure maximum bandwidth and track your speeds with the easy-to-use Killer Networking Manager. Killer DoubleShot Pro consists of one Killer E2500 Gigabit Ethernet controller and one Killer Wireless-AC 1550 chipset and improves average latency by 3.5 times compared with those utilizing 802.11ac.

KILLER SHIELD – SMOOTHER GAMEPLAY

Killer Shield ensures smoother uploads and download processes. Lower latency and less jitter optimize gameplay experience. Less pin rate floating reassures more fluent gameplays.

XSPPLIT GAMECASTER VERSION 2.9

STREAMING YOUR GAMING TALENTS TO THE WORLD

MSI offers 1 year premium license of XSplit Gamecaster for free. Gamers can now get super professional live streams going by blending into the background. Broadcast your gameplay videos live to Twitch, YouTube, UStream and etc. in just 3 steps. You may login easily with your social network accounts and 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.

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.

WTF FAST IS THE GAMERS PRIVATE NETWORK.

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

Accu/Batterij

Aantal cellen in de batterij	3
Accu/Batterij capaciteit (Watt uur)	51 Wh

Beeldscherm

3D	Nee
Beeldscherm diagonaal	43,9 cm (17.3")
Beeldverhouding	16:9

HD type	Full HD
LED backlight	Ja
Resolutie	1920 x 1080 Pixels
Touchscreen	Nee

Beveiliging

Bevestigingsmogelijkheid voor kabelslot	Ja
Kabelslot sleuf type	Kensington

Camera

Camera voorzijde	Ja
Signaalformaat camera voorkant	720p
Video capturing speed	30 fps
Voorcamera HD-type	HD

Design

Kleur van het product	Zwart
Markt positionering	Gamen
Producttype	Notebook
Vormfactor	Clamshell

Energie

AC-adapter, vermogen	180 W
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Geheugen

Geheugen form factor	SO-DIMM
Geheugenslots	2x SO-DIMM
Intern geheugen	16 GB
Intern geheugentype	DDR4-SDRAM
Maximum intern geheugen	32 GB

Gewicht en omvang

Breedte	411,8 mm
Diepte	284,9 mm
Gewicht	2,43 kg
Hoogte	19,6 mm

Grafisch

Aantal discrete grafische adapters geïnstalleerd	1
Aantal displays ondersteund (door on-board grafische adapter)	3

Aparte grafische adapter	Ja
Basisfrequentie ingebouwde grafische adapter	350 MHz
CUDA	Ja
Discreet grafische adapter model	Intel® UHD Graphics 630
Discreet grafische adapter model	NVIDIA GeForce GTX 1070
Grafische geheugen	8 GB
Graphics on-board -adapter dynamische frequentie (max)	1100 MHz
Ingebouwde grafische adapter	Ja
Maximaal geheugen ingebouwde grafische adapter	64 GB
NVIDIA G-SYNC	Ja
NVIDIA GameWorks VR	Ja
On-board grafische adapter DirectX-versie	12.0
On-board grafische adapter ID	0x3E9B
On-board grafische adapter OpenGL versie	4.5
Specifiek grafisch geheugentype	GDDR5

Inhoud van de verpakking

Inclusief AC-adapter	Ja
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Netwerk

3G	Nee
4G	Nee
Bluetooth	Ja
Bluetooth-versie	5.0
Ethernet LAN	Ja
Ethernet LAN, data-overdrachtsnelheden	10,100,1000 Mbit/s
Wi-Fi	Ja
Wi-Fi-standaarden	IEEE 802.11ac

Opslagmedia

Compatibele geheugenkaarten	SD,SDHC,SDXC
Geïntegreerde geheugenkaartlezer	Ja
Het aantal geïnstalleerde harde schijven	1
Opslagcapaciteit harde schijf	1000 GB
Opslagmedia	HDD+SSD
Solid State Drive (SSD) capaciteit	256 GB
Totale opslagcapaciteit	1256 GB

Optische drive

Soort optische drive	Nee
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Overige specificaties

Aan-/uitknop	Ja
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Poorten & interfaces

Aansluiting voor netstroomadapter	Ja
Aantal Ethernet LAN (RJ-45)-poorten	1
Aantal HDMI-poorten	1
Aantal poorten USB 3.0 (3.1 Gen 1) Type A	2
Aantal poorten USB 3.1 (3.1 Gen 2) Type A	1
Aantal poorten USB 3.1 (3.1 Gen 2) Type C	1
Aantal USB 2.0-poorten	1
Hoofdtelefoonuitgangen	1
Microfoon, line-in ingang	Ja
Mini DisplayPort kwantiteit	1

Processor

Aantal processorkernen	6
Bus type	DMI
Chipset moederbord	Intel® HM370
Codenaam processor	Coffee Lake
ECC ondersteund door processor	Nee
Frequentie van processor	2,20 GHz
Maximaal aantal PCI Express-lijnen	16
Maximale turbofrequentie van processor	4,10 GHz
PCI Express configuraties	1x16,1x8+2x4,2x8
PCI Express slots versie	3.0
Processor aantal threads	12
Processor cache	9 MB
Processor cache type	Smart Cache
Processor lithografie	14 nm
Processor operating modes	64-bit
Processor socket	BGA 1440
Processorfamilie	Intel® 8ste generatie Core™ i7
Processormodel	i7-8750H
Stepping	U0
Systeembus	8 GT/s
Thermal Design Power (TDP)	45 W
Tjunction	100 °C

Processor speciale functies

ARK ID processor	134906
CPU configuratie (max)	1
Enhanced Intel SpeedStep Technology	Ja
Execute Disable Bit	Ja

Idle States	Ja
Ingebouwde opties beschikbaar	Nee
Intel® 64	Ja
Intel® AES New Instructions (Intel® AES-NI)	Ja
Intel® Clear Video HD Technology (Intel® CVT HD)	Ja
Intel® Clear Video Technology for Mobile Internet Devices (Intel® CVT for MID)	Ja
Intel® Clear Video-technologie	Ja
Intel® Enhanced Halt State	Ja
Intel® Flex Memory Access	Ja
Intel® Hyper Threading Technology (Intel® HT Technology)	Ja
Intel® Identity Protection Technology (Intel® IPT)	Ja
Intel® InTru™ 3D Technology	Ja
Intel® My WiFi Technology (Intel® MWT)	Ja
Intel® OS Guard	Ja
Intel® Quick Sync Video Technology	Ja
Intel® Secure Key	Ja
Intel® Software Guard Extensions (Intel® SGX)	Ja
Intel® Stable Image Platform Program (SIPP)	Nee
Intel® Trusted Execution Technology	Nee
Intel® TSX-NI	Nee
Intel® Turbo Boost Technology	2.0
Intel® Virtualization Technology (VT-x)	Ja
Intel® Virtualization Technology for Directed I/O (VT-d)	Ja
Intel® VT-x with Extended Page Tables (EPT)	Ja
Ondersteunde instructie sets	AVX 2.0,SSE4.1,SSE4.2
Processorcode	SR3YY
Thermal Monitoring Technologies	Ja
Verpakkingsgrootte processor	42 x 28

Software

Architectuur besturingssysteem	64-bit
Inclusief besturingssysteem	Windows 10 Home

Toetsenbord

Aanwijsapparaat	Touchpad
Full-size toetsenbord	Ja
Keyboard met achtergrondverlichting	Ja
Numeriek toetsenblok	Ja
Toetsenbordindeling	AZERTY
Windows-toetsen	Ja