ASUS

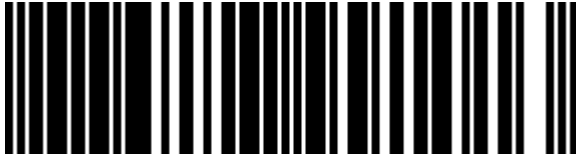## ASUS ROG GL551JW-DS71 Intel® Core™ i7 i7-4720HQ ノートパソコン/ノートブック 39,6 cm (15.6") Full HD 16 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 960M Wi-Fi 4 (802.11n) Windows 8.1 ノートブック

Brand : ASUS

Product family: ROG

Product code: 90NB08B2-M00340

Product name : GL551JW-DS71

Design		Ports & interfaces	
Product type *	Laptop	ExpressCard slot	✗
Product colour *	Black	CardBus PCMCIA slot type	✗
Form factor *	Clamshell	SmartCard slot	✗

Display		Performance	
Display diagonal *	39.6 cm (15.6")	Motherboard chipset	Intel® HM86
Display resolution *	1920 x 1080 pixels		
HD type	Full HD	**Keyboard**	
LED backlight	✔	Pointing device	Touchpad
Native aspect ratio	16:9	Numeric keypad *	✔
Display surface	Matt	Windows keys	✔

Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i7	Operating system installed *	Windows 8.1
Processor generation	4th gen Intel® Core™ i7		
Processor model *	i7-4720HQ	**Processor special features**	
Processor cores	4	Intel® Wireless Display (Intel® WiDi)	✔
Processor threads	8		
Processor boost frequency	3.6 GHz	Intel® My WiFi Technology (Intel® MWT)	✗
Processor frequency *	2.6 GHz		
System bus rate	5 GT/s	Intel® Anti-Theft Technology (Intel® AT)	✔
Processor cache	6 MB		
Processor cache type	L3	Intel® Identity Protection Technology (Intel® IPT)	✔
Processor socket	BGA 1364		
Processor lithography	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Processor operating modes	64-bit		
Processor series	Intel Core i7-4700 Mobile series	Intel® Turbo Boost Technology	✗
Processor codename	Haswell	Enhanced Intel SpeedStep Technology	✔
Bus type	DMI2		
FSB Parity	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Stepping	C0	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	47 W	Intel® InTru™ 3D Technology	✔
		Intel® Insider™	✔

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	DDR3L-SDRAM
Memory clock speed	1600 MHz
Maximum internal memory *	16 GB

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	1 TB
HDD speed	7200 RPM
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 960M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4600
On-board graphics card base frequency	400 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
Maximum on-board graphics card memory	1.74 GB
On-board graphics card DirectX version	11.2/12
On-board graphics card OpenGL version	4.3
On-board graphics card ID	0x416

Audio

Audio system	SonicMaster Premium
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1.2 MP
Rear camera	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Processor special features

Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✘
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel TSX-NI	✘
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	37.5 x 32 x 1.6 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1Q8
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✘
Processor ARK ID	78934
Conflict-Free processor	✔

Battery

Number of battery cells	6
Battery capacity	5200 mAh
Battery capacity *	56 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6.3 A
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✘

Weight & dimensions

Width	381 mm
Depth	254 mm
Height (front)	1.52 cm
Height (rear)	3.3 cm
Weight *	2.7 kg

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Mini DisplayPorts quantity	1
DVI port	✘
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘

Other features

Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Power adapter width	44.2 cm
Power adapter depth	9.65 cm
Power adapter height	32.5 cm
Power adapter weight	4.22 kg

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