ASUS ROG G501JW-CN139H laptop Intel® Core™ i7 i7-4720HQ 39,6 cm (15.6") Full HD 8 GB DDR3L-SDRAM 1,13 TB HDD+SSD NVIDIA® GeForce® GTX 960M Windows 8.1 Black

Brand : ASUS   **Product family:** ROG   **Article code:** G501JW-CN139H

Product name : G501JW-CN139H

ASUS ROG G501JW-CN139H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4720HQ, Processor frequency: 2,6 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1,13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Windows 8.1. Product color: Black

Design

Product type *	Laptop
Product color *	Black
Form factor *	Clamshell

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	1920 x 1080 pixels
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	4th gen Intel® Core™ i7
Processor model *	i7-4720HQ
Processor cores	4
Processor threads	8
Processor boost frequency	3,6 GHz
Processor frequency *	2,6 GHz
System bus rate	5 GT/s
Processor cache	6 MB
Processor cache type	L3
Processor socket	BGA 1364
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-4700 Mobile series
Processor codename	Haswell
Bus type	DMI2
FSB Parity	✗
Stepping	C0
Thermal Design Power (TDP)	47 W

Performance

Motherboard chipset	Intel® HM87

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software

Operating system installed *	Windows 8.1

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	✗
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✗
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔

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

Storage

Total storage capacity *	1,13 TB
Storage media *	HDD+SSD
Number of HDDs installed	1
HDD capacity	1 TB
HDD speed	5400 RPM
Number of SSDs installed	1
SSD capacity	128 GB
SSD interface	SATA III
Card reader integrated	✔
Compatible memory cards	SD, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 960M
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
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Ethernet LAN	✔
Ethernet LAN data rates	10,100 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

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

Processor special features

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

Battery technology	Lithium Polymer (LiPo)

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6,32 A
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✘
Trusted Platform Module (TPM)	✔

Certificates

Compliance certificates	RoHS
Certification	UL, TUV, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, CB, Energy star, RoHS

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	383 mm
Depth	255 mm
Weight *	2,06 kg

Ports & interfaces	
DVI port	✘
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘

Packaging content	
AC adapter included *	✔

Other features	
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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