

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		Performance	
Product type *	Laptop	Motherboard chipset	Intel® HM87
Product color *	Black	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Display		Numeric keypad *	✓
Display diagonal *	39,6 cm (15.6")	Windows keys	✓
Display resolution *	1920 x 1080 pixels	Software	
HD type	Full HD	Operating system installed *	Windows 8.1
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✗
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	4th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-4720HQ	Intel® Turbo Boost Technology	✗
Processor cores	4	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3,6 GHz	Intel Clear Video Technology	✗
Processor frequency *	2,6 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Insider™	✓
Processor cache	6 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	L3	Intel Flex Memory Access	✗
Processor socket	BGA 1364	Intel® Smart Cache	✓
Processor lithography	22 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
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		

Processor		Processor special features	
Tjunction	100 °C	Intel Trusted Execution Technology	✗
Maximum number of PCI Express lanes	16	Intel Enhanced Halt State	✓
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR3L-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Maximum internal memory *	16 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1,13 TB	Processor package size	37.5 x 32 x 1.6 mm
Storage media *	HDD+SSD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	Processor code	SR1Q8
HDD capacity	1 TB	CPU configuration (max)	1
HDD speed	5400 RPM	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	128 GB	Intel Identity Protection Technology version	1,00
SSD interface	SATA III	Intel Secure Key Technology version	1,00
Card reader integrated	✓	Intel TSX-NI version	0,00
Compatible memory cards	SD, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Dual Display Capable Technology	✗
Discrete graphics card model *	NVIDIA® GeForce® GTX 960M	Intel FDI Technology	✓
Discrete graphics memory type	GDDR5	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✗
Discrete graphics card *	✓	Processor ARK ID	78934
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 4600	Battery	
On-board graphics card base frequency	400 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1200 MHz	Power	
Maximum on-board graphics card memory	1,74 GB	AC adapter power	120 W
On-board graphics card DirectX version	11.2/12	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.3	AC adapter input voltage	100 - 240 V
On-board graphics card ID	0x416	AC adapter output current	6,32 A
Audio		AC adapter output voltage	19 V
Audio system	SonicMaster Premium	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✗
Front camera	✓	Trusted Platform Module (TPM)	✓
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Ethernet LAN	✓	Certification	UL, TUV, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, CB, Energy star, RoHS
Ethernet LAN data rates	10,100 Mbit/s	Sustainability	
Bluetooth	✓	Sustainability certificates	ENERGY STAR
Bluetooth version	4.0	Weight & dimensions	
Ports & interfaces		Width	383 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Depth	255 mm
Ethernet LAN (RJ-45) ports	1	Weight *	2,06 kg
HDMI ports quantity *	1		
Mini DisplayPorts quantity	1		

Ports & interfaces		Packaging content	
DVI port	✗	AC adapter included *	✓
S/PDIF out port	✗	Other features	
Microphone in	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Combo headphone/mic port	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		

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