

ASUS ROG G751JY-T7012P laptop Intel® Core™ i7 i7-4860HQ 43,9 cm (17.3") Full HD 32 GB DDR3L-SDRAM 1,51 TB HDD+SSD NVIDIA® GeForce® GTX 980M Wi-Fi 5 (802.11ac) Windows 8.1 Pro Black



Brand : ASUS

Product family: ROG

Product code: G751JY-T7012P

Product name : G751JY-T7012P

Intel Core i7-4860HQ (2.4GHz, 6M Cache), 32GB DDR3L, 1000GB HDD + 512GB SSD, Intel Iris Pro Graphics 5200 + NVIDIA GeForce GTX 980M, Gigabit Ethernet, WLAN 802.11 a/ac/b/g/n, WebCam, Windows 8.1 Pro

ASUS ROG G751JY-T7012P. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4860HQ, Processor frequency: 2,4 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1,51 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8.1 Pro. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✓
Product colour *	Black	Docking connector	✗
Form factor *	Clamshell	ExpressCard slot	✗
Market positioning	Gaming	CardBus PCMCIA slot type	✗
Display		SmartCard slot	✗
Display diagonal *	43,9 cm (17.3")	Performance	
Display resolution *	1920 x 1080 pixels	Motherboard chipset	Intel® HM87
Touchscreen *	✗	Keyboard	
HD type	Full HD	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Full-size keyboard	✓
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 Pro
Processor generation	4th gen Intel® Core™ i7	Processor special features	
Processor model *	i7-4860HQ	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores	4	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	8	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor boost frequency	3,6 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2,4 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	6 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor socket	BGA 1364	Intel Clear Video Technology	✗
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4800 Mobile series		
Processor codename	Crystal Well		
Bus type	DMI2		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	47 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® InTru™ 3D Technology	✓
Maximum number of PCI Express lanes	16	Intel® Insider™	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	✗
ECC supported by processor	✗	Intel® Smart Cache	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory *	32 GB	Intel Trusted Execution Technology	✓
Internal memory type	DDR3L-SDRAM	Intel Enhanced Halt State	✓
Maximum internal memory *	32 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Intel Demand Based Switching	✗
Total storage capacity *	1,51 TB	Intel® Secure Key	✓
Storage media *	HDD+SSD	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Number of HDDs installed	1	Intel 64	✓
HDD capacity	1 TB	Execute Disable Bit	✓
SSD capacity	512 GB	Idle States	✓
Optical drive type *	DVD Super Multi	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	37.5 x 32 x 1.65 mm
Compatible memory cards	MMC, SD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Graphics		Processor code	SR1BP
Discrete graphics card model *	NVIDIA® GeForce® GTX 980M	CPU configuration (max)	1
Discrete graphics card memory	4 GB	Embedded options available	✗
Discrete graphics memory type	GDDR5	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1,00
Discrete graphics card *	✓	Intel Secure Key Technology version	1,00
On-board graphics card family	Intel® Iris™ Pro Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® Iris™ Pro Graphics 5200	Intel Dual Display Capable Technology	✗
On-board graphics card base frequency	200 MHz	Intel FDI Technology	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Rapid Storage Technology	✗
Maximum on-board graphics card memory	2 GB	Intel Fast Memory Access	✗
On-board graphics card DirectX version	11.2/12	Processor ARK ID	76089
On-board graphics card OpenGL version	4.3	Conflict-Free processor	✗
On-board graphics card ID	0xD26	Battery	
Audio		Number of battery cells	8
Built-in subwoofer	✓	Battery capacity	6000 mAh
Built-in microphone	✓	Power	
Camera		AC adapter power	230 W
Front camera	✓	AC adapter frequency	50 - 60 Hz
Network		AC adapter input voltage	100 - 240 V
Wi-Fi	✓	AC adapter output current	9,23 A
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	AC adapter output voltage	19.5 V
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	DC-in jack	✓
Ethernet LAN	✓	Security	
Ethernet LAN data rates	10,100,1000 Mbit/s	Cable lock slot	✗
Bluetooth	✓	Weight & dimensions	
Bluetooth version	4.0	Width	416 mm
Ports & interfaces		Depth	318 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Height (front)	2 cm
Ethernet LAN (RJ-45) ports	1	Height (rear)	5,3 cm
HDMI ports quantity *	1	Weight *	4,8 kg

Ports & interfaces		Other features	
DVI port	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
VGA (D-Sub) ports quantity	1		
Thunderbolt ports quantity	1		
Headphone outputs	1		
S/PDIF out port	✓		

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