

ASUS ROG G751JY-T7042H laptop Intel® Core™ i7 i7-4860HQ 17.3" Full HD 32 GB DDR3L-SDRAM 2.26 TB HDD+SSD NVIDIA® GeForce® GTX 980M Windows 8.1 Black

Brand : ASUS

Product family: ROG

Article code: G751JY-T7042H

Product name : G751JY-T7042H



Intel Core i7-4860HQ (2.4GHz, 6M Cache), 32GB DDR3L, 2000GB HDD + 256GB SSD, Intel Iris Pro Graphics 5200 + NVIDIA GeForce GTX 980M, Gigabit Ethernet, WLAN 802.11 a/ac/b/g/n, WebCam, Windows 8.1

ASUS ROG G751JY-T7042H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4860HQ, Processor frequency: 2.4 GHz. Display diagonal: 17.3", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 2.26 TB, Storage media: HDD+SSD, Optical drive type: Blu-Ray DVD Combo. Operating system installed: Windows 8.1. Product color: Black



Design		Ports & interfaces	
Product type *	Laptop	CardBus PCMCIA slot type	✗
Product color *	Black	SmartCard slot	✗
Form factor *	Clamshell	Performance	
Market positioning	Gaming	Motherboard chipset	Intel® HM87
Display		Keyboard	
Display diagonal *	17.3"	Pointing device	Touchpad
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✓
Touchscreen *	✗	Full-size keyboard	✓
HD type	Full HD	Windows keys	✓
LED backlight	✓	Software	
Native aspect ratio	16:9	Operating system architecture	64-bit
Display surface	Matt	Operating system installed *	Windows 8.1
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	4th gen Intel® Core™ i7	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor model *	i7-4860HQ	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3.6 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.4 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s		
Processor cache	6 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1364		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4800 Mobile series		

Processor		Processor special features	
Processor codename	Crystal Well	Intel Clear Video Technology	✗
Bus type	DMI2	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✓
Stepping	C0	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	47 W	Intel Flex Memory Access	✗
Tjunction	100 °C	Intel® Smart Cache	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	32 GB	Intel® Secure Key	✓
Internal memory type	DDR3L-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	32 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	2.26 TB	Idle States	✓
Storage media *	HDD+SSD	Thermal Monitoring Technologies	✓
SSD capacity	256 GB	Processor package size	37.5 x 32 x 1.65 mm
Optical drive type *	Blu-Ray DVD Combo	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR1BP
Compatible memory cards	MMC, SD	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GTX 980M	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card memory	4 GB	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Dual Display Capable Technology	✗
On-board graphics card family	Intel® Iris™ Pro Graphics	Intel FDI Technology	✓
On-board graphics card model *	Intel® Iris™ Pro Graphics 5200	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	200 MHz	Intel Fast Memory Access	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Processor ARK ID	76089
Maximum on-board graphics card memory	2 GB	Conflict-Free processor	✗
On-board graphics card DirectX version	11.2/12	Battery	
On-board graphics card OpenGL version	4.3	Number of battery cells	8
On-board graphics card ID	0xD26	Battery capacity	6000 mAh
Audio		Power	
Built-in microphone	✓	AC adapter power	230 W
Camera		AC adapter frequency	50 - 60 Hz
Front camera	✓	AC adapter input voltage	100 - 240 V
Network		AC adapter output current	9.23 A
Wi-Fi	✓	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	16.4" (416 mm)
Ports & interfaces		Depth	12.5" (318 mm)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Height (front)	0.787" (2 cm)
Ethernet LAN (RJ-45) ports	1	Height (rear)	2.09" (5.3 cm)
HDMI ports quantity *	1		

Ports & interfaces		Weight & dimensions	
DVI port	×	Weight *	10.6 lbs (4.8 kg)
VGA (D-Sub) ports quantity	1	Packaging content	
Thunderbolt ports quantity	1	AC adapter included *	✓
Headphone outputs	2	Other features	
S/PDIF out port	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Microphone in	✓		
Docking connector	×		
ExpressCard slot	×		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.