

ASUS ROG G751J-BH17T25 laptop Intel® Core™ i7 i7-4710HQ 43.9 cm (17.3") Full HD 8 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 860M Windows 8.1 Black, Grey

Brand : ASUS

Product family: ROG

Product code: G751J-BH17T25

Product name : G751J-BH17T25



17.3" (1920 x 1080, LED), Intel Core i7-4710HQ, 8GB (DDR3L), 1TB (HDD), NVIDIA GeForce GTX 860M (GDDR5), Windows 8.1 (64 bit), 802.11 b/g/n, Bluetooth 4.0, DVD Super Multi, 4 x USB 3.0, 1 x VGA, 1 x LAN, 1 x HDMI, 1 x Thunderbolt, 4.3 kg

ASUS ROG G751J-BH17T25. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4710HQ, Processor frequency: 2.5 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8.1. Product colour: Black, Grey



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black, Grey	Numeric keypad *	✓
Form factor *	Clamshell	Keyboard backlight	✓
Market positioning	Gaming	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	43.9 cm (17.3")	Software	
Display resolution *	1920 x 1080 pixels	Operating system architecture	64-bit
HD type	Full HD	Operating system installed *	Windows 8.1
Panel type	IPS	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✗
Display surface	Matt	Intel Smart Connect Technology	✗
Processor		Intel® Anti-Theft Technology (Intel® AT)	✓
Processor manufacturer *	Intel	Intel® Rapid Start Technology	✗
Processor family *	Intel® Core™ i7	Intel® Smart Response Technology	✗
Processor generation	4th gen Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i7-4710HQ	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	4	Intel® Turbo Boost Technology	2.0
Processor threads	8	Intel® Small Business Advantage (Intel® SBA)	✗
Processor boost frequency	3.5 GHz	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor frequency *	2.5 GHz	Intel® High Definition Audio (Intel® HD Audio)	✗
System bus rate	5 GT/s	Intel® Active Management Technology (Intel® AMT)	✗
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		
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		

Processor		Processor special features	
Tjunction	100 °C	Intel Clear Video Technology	✗
Maximum number of PCI Express lanes	16	Intel® InTru™ 3D Technology	✓
PCI Express slots version	3.0	Intel® Insider™	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Quick Sync Video Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✗
Memory		Intel® Smart Cache	✓
Internal memory *	8 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR3L-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	1600 MHz	Intel Enhanced Halt State	✓
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	32 GB	Intel® Secure Key	✓
Storage		Intel TSX-NI	✗
Total storage capacity *	1 TB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage media *	HDD	Intel 64	✓
Number of HDDs installed	1	Execute Disable Bit	✓
HDD capacity	1 TB	Idle States	✓
HDD interface	SATA	Thermal Monitoring Technologies	✓
HDD speed	5400 RPM	Processor package size	37.5 x 32 x 1.6 mm
HDD size	2.5"	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Optical drive type *	DVD Super Multi	Processor code	SR1PX
Card reader integrated	✓	CPU configuration (max)	1
Compatible memory cards	MMC, SD, SDHC, SDXC	Embedded options available	✗
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 860M	Intel Identity Protection Technology version	1.00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel FDI Technology	✓
On-board graphics card base frequency	400 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1.74 GB	Processor ARK ID	78930
On-board graphics card DirectX version	12.0	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.3	Battery	
On-board graphics card ID	0x416	Number of battery cells	8
Number of discrete graphics cards supported	1	Battery capacity	6000 mAh
Number of discrete graphics cards installed	1	Power	
Audio		AC adapter power	180 W
Audio system	SonicMaster	AC adapter frequency	50 - 60 Hz
Built-in subwoofer	✓	AC adapter input voltage	100 - 240 V
Built-in microphone	✓	AC adapter output current	9.23 A
Camera		AC adapter output voltage	19.5 V
Front camera	✓	DC-in jack	✓
Front camera resolution	1280 x 720 pixels	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	416 mm
Ethernet LAN	✓	Depth	318 mm
Ethernet LAN data rates	10,100,1000 Mbit/s		

Network		Weight & dimensions	
Bluetooth	✓	Height (front)	2 cm
Bluetooth version	4.0	Height (rear)	4.3 cm
Ports & interfaces		Weight *	4.3 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
HDMI ports quantity *	1	Manual	✓
DVI port	✗	Power cord included	✓
VGA (D-Sub) ports quantity	1	Other features	
Thunderbolt ports quantity	1	Maximum internal memory (64-bit)	32 GB
Headphone outputs	1	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
S/PDIF out port	✓		
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel® HM87		

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Publication date: 30-APR-2025. Prints or copies of Information are only valid on the printed Publication date