

ASUS N56JK-MB71 laptop Intel® Core™ i7 i7-4700HQ 39,6 cm (15.6") Full HD 16 GB DDR3-SDRAM 750 GB HDD NVIDIA® GeForce® GTX 850M Windows 8.1 Black, Stainless steel

Brand : ASUS

Product code: N56JK-MB71

Product name : N56JK-MB71

Intel Core i7-4700HQ (2.4GHz, 6M Cache), 16GB DDR3, 750GB HDD, Intel HD Graphics 4600 + NVIDIA GeForce GTX 850M, Gigabit Ethernet, WLAN 802.11 b/g/n, WebCam, Windows 8.1
ASUS N56JK-MB71. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4700HQ, Processor frequency: 2,4 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 750 GB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8.1. Product colour: Black, Stainless steel



Design		Keyboard	
Product type *	Laptop	Full-size keyboard	✓
Product colour *	Black, Stainless steel	Windows keys	✓
Form factor *	Clamshell		
Display		Software	
Display diagonal *	39,6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 8.1
Touchscreen *	✗		
HD type	Full HD	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® Anti-Theft Technology (Intel® AT)	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i7	Intel® Turbo Boost Technology	2.0
Processor generation	4th gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor model *	i7-4700HQ	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	4	Intel Clear Video Technology	✗
Processor threads	8	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3,4 GHz	Intel® Insider™	✓
Processor frequency *	2,4 GHz	Intel® Quick Sync Video Technology	✓
Processor cache	6 MB	Intel Flex Memory Access	✗
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket	BGA 1364	Intel Trusted Execution Technology	✗
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4700 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		

Processor		Processor special features	
FSB Parity	✗	Intel Enhanced Halt State	✓
Stepping	C0	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	47 W	Intel Demand Based Switching	✗
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	16	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	16 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3-SDRAM	Processor package size	37.5 x 32 x 1.6 mm
Memory form factor	SO-DIMM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory slots	2x SO-DIMM	Processor code	SR15E
Maximum internal memory *	16 GB	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	750 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	HDD	Intel Identity Protection Technology version	1,00
HDD interface	SATA III	Intel Secure Key Technology version	1,00
Optical drive type *	DVD Super Multi	Intel TSX-NI version	0,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD	Intel Dual Display Capable Technology	✗
Graphics		Intel FDI Technology	✓
Discrete graphics card model *	NVIDIA® GeForce® GTX 850M	Intel Rapid Storage Technology	✗
Discrete graphics card memory	2 GB	Intel Fast Memory Access	✗
Discrete graphics memory type	GDDR3	Processor ARK ID	75116
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Number of battery cells	6
On-board graphics card model *	Intel® HD Graphics 4600	Battery capacity	5200 mAh
On-board graphics card base frequency	400 MHz	Battery capacity *	56 Wh
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 ID	0x416	AC adapter input voltage	100 - 240 V
Audio		AC adapter output current	6,3 A
Audio system	SonicMaster Premium	AC adapter output voltage	19 V
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Cable lock slot	✓
Network		Cable lock slot type	Kensington
Wi-Fi	✓	Password protection	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Password protection type	BIOS, HDD, User
Ethernet LAN	✓	Certificates	
Ethernet LAN data rates	10,100,1000 Mbit/s	Compliance certificates	RoHS
Bluetooth	✓	Certification	UL, TUV, MIC, CE Marking
Bluetooth version	4.0		Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, EPEAT, EU Flower, Energy star, CECF, WEEE, Erp 2013, RoHS, JATE
Ports & interfaces		Sustainability	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Sustainability certificates	ENERGY STAR
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		

Ports & interfaces		Weight & dimensions	
DVI port	✗	Width	380 mm
VGA (D-Sub) ports quantity	1	Depth	255 mm
Headphone outputs	1	Height (front)	2,72 cm
S/PDIF out port	✓	Height (rear)	3,4 cm
Microphone in	✓	Weight *	2,7 kg
Docking connector	✗	Other features	
ExpressCard slot	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel® HM86		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		

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