

ASUS N551JM-CN028H Intel® Core™ i7 i7-4710HQ Laptop 39,6 cm (15.6") Full HD 8 GB DDR3-SDRAM 750 GB HDD NVIDIA® GeForce® GTX 860M Windows 8.1 Aluminium, Grey

Brand : ASUS

Product code: 90NB06R1-M00330

Product name : N551JM-CN028H

Intel Core i7-4710HQ (2.50 GHz), 8GB DDR3-1600MHz, 750GB SATA III HDD 7200RPM, DVD Super Multi, Intel HD Graphics 4600/2GB NVIDIA GeForce GTX 860M, 15.6" FHD LED, 1920 x 1080, 3x USB 3.0, HDMI, mini Display Port, 802.11 b/g/n, Bluetooth 4.0, Windows 8.1, 2.7kg, Aluminium/Grey

ASUS N551JM-CN028H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4710HQ, Processor frequency: 2,5 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: DDR3-SDRAM. Total storage capacity: 750 GB, Storage media: HDD, Optical drive type: DVD Super Multi DL. Operating system installed: Windows 8.1. Product colour: Aluminium, Grey



Design		Performance	
Product type *	Laptop	Motherboard chipset	Intel® HM86
Product colour *	Aluminium, Grey	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Housing material	Aluminium	Numeric keypad *	✓
Display		Full-size keyboard	✓
Display diagonal *	39,6 cm (15.6")	Windows keys	✓
Display resolution *	1920 x 1080 pixels	Software	
Touchscreen *	✗	Operating system architecture	64-bit
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)	✓
Display surface	Matt	Intel® My WiFi Technology (Intel® MWT)	✗
Processor		Intel® Anti-Theft Technology (Intel® AT)	✓
Processor manufacturer *	Intel	Intel® Smart Response Technology	✗
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 *	i7-4710HQ	Intel® Turbo Boost Technology	2.0
Processor cores	4	Intel® Small Business Advantage (Intel® SBA)	✗
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3,5 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2,5 GHz	Intel Clear Video Technology	✗
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 i7-4700 Mobile series		

Processor		Processor special features	
Processor codename	Haswell	Intel® InTru™ 3D Technology	✓
Bus type	DMI2	Intel® Insider™	✓
FSB Parity	✗	Intel® Quick Sync Video Technology	✓
Stepping	C0	Intel Flex Memory Access	✗
Thermal Design Power (TDP)	47 W	Intel® Smart Cache	✓
Tjunction	100 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Secure Key	✓
Internal memory *	8 GB	Intel TSX-NI	✗
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Intel 64	✓
Memory form factor	SO-DIMM	Execute Disable Bit	✓
Memory layout (slots x size)	1 x 8 GB	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	16 GB	Processor package size	37.5 x 32 x 1.6 mm
Storage		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	750 GB	Processor code	SR1PX
Storage media *	HDD	CPU configuration (max)	1
Number of hard drives installed	1	Embedded options available	✗
Hard drive capacity	750 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Hard drive interface	SATA III	Intel Identity Protection Technology version	1,00
Hard drive speed	7200 RPM	Intel Secure Key Technology version	1,00
Hard drive size	2.5"	Intel TSX-NI version	0,00
Optical drive type *	DVD Super Multi DL	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Intel Dual Display Capable Technology	✗
Compatible memory cards	MMC, SD	Intel FDI Technology	✓
Graphics		Intel Rapid Storage Technology	✗
Discrete graphics card model *	NVIDIA® GeForce® GTX 860M	Intel Fast Memory Access	✗
Discrete graphics card memory	2 GB	Processor ARK ID	78930
Discrete graphics memory type	GDDR5	Conflict-Free processor	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Number of battery cells	6
On-board graphics card family	Intel® HD Graphics	Battery capacity	5200 mAh
On-board graphics card model *	Intel® HD Graphics 4600	Battery capacity *	56 Wh
On-board graphics card base frequency	400 MHz	Power	
On-board graphics card dynamic frequency (max)	1200 MHz	AC adapter power	120 W
Maximum on-board graphics card memory	1,74 GB	AC adapter frequency	50 - 60 Hz
On-board graphics card DirectX version	12.0	AC adapter input voltage	100 - 240 V
On-board graphics card OpenGL version	4.3	AC adapter output current	6,3 A
On-board graphics card ID	0x416	AC adapter output voltage	19 V
Number of discrete graphics cards supported	1	DC-in jack	✓
Number of discrete graphics cards installed	1	Security	
Audio		Cable lock slot	✓
Audio system	SonicMaster Premium, MaxxAudio	Cable lock slot type	Kensington
Number of built-in speakers	2	Fingerprint reader	✗
Speakers manufacturer	Bang & Olufsen	Password protection	✓
Built-in microphone	✓	Password protection type	BIOS, HDD

Camera		Weight & dimensions	
Front camera	✓	Width	383 mm
Network		Depth	255 mm
Wi-Fi	✓	Height (front)	2,8 cm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Height (rear)	3,15 cm
Ethernet LAN	✓	Weight *	2,7 kg
Ethernet LAN data rates	10,100,1000 Mbit/s	Packaging content	
Bluetooth	✓	AC adapter included *	✓
Bluetooth version	4.0	Cables included	AC
Ports & interfaces		Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Quick start guide	✓
Ethernet LAN (RJ-45) ports	1	Power cord included	✓
HDMI ports quantity *	1	Other features	
Mini DisplayPorts quantity	1	Disc types supported	CD-R, CD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-RW
DVI port	✗	3D	✗
S/PDIF out port	✗	Maximum internal memory (64-bit)	16 GB
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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