ASUS

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

Product type *	Laptop
Product colour *	Aluminium, Grey
Form factor *	Clamshell
Housing material	Aluminium

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	4th gen Intel® Core™ i7
Processor model *	i7-4710HQ
Processor cores	4
Processor threads	8
Processor boost frequency	3,5 GHz
Processor frequency *	2,5 GHz
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

Performance

Motherboard chipset	Intel® HM86

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 8.1

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Smart Response Technology	✗
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✗
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗

Processor

Processor codename	Haswell
Bus type	DMI2
FSB Parity	✘
Stepping	C0
Thermal Design Power (TDP)	47 W
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
ECC supported by processor	✘

Memory

Internal memory *	8 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	16 GB

Storage

Total storage capacity *	750 GB
Storage media *	HDD
Number of hard drives installed	1
Hard drive capacity	750 GB
Hard drive interface	SATA III
Hard drive speed	7200 RPM
Hard drive size	2.5"
Optical drive type *	DVD Super Multi DL
Card reader integrated	✔
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 860M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4600
On-board graphics card base frequency	400 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
Maximum on-board graphics card memory	1,74 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.3
On-board graphics card ID	0x416
Number of discrete graphics cards supported	1
Number of discrete graphics cards installed	1

Audio

Audio system	SonicMaster Premium, MaxxAudio
Number of built-in speakers	2
Speakers manufacturer	Bang & Olufsen
Built-in microphone	✔

Processor special features

Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✘
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 32 x 1.6 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1PX
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1,00
Intel Secure Key Technology version	1,00
Intel TSX-NI version	0,00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✘
Processor ARK ID	78930
Conflict-Free processor	✔

Battery

Number of battery cells	6
Battery capacity	5200 mAh
Battery capacity *	56 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6,3 A
AC adapter output voltage	19 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✘
Password protection	✔
Password protection type	BIOS, HDD

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Mini DisplayPorts quantity	1
DVI port	✖
S/PDIF out port	✖
Microphone in	✖
Combo headphone/mic port	✔
Docking connector	✖
ExpressCard slot	✖
CardBus PCMCIA slot type	✖
SmartCard slot	✖

Weight & dimensions

Width	383 mm
Depth	255 mm
Height (front)	2,8 cm
Height (rear)	3,15 cm
Weight *	2,7 kg

Packaging content

AC adapter included *	✔
Cables included	AC
Manual	✔
Quick start guide	✔
Power cord included	✔

Other features

Disc types supported	CD-R, CD-RW, DVD+R, DVD+R DL, DVD+RW, DVD-R, DVD-R DL, DVD-RW
3D	✖
Maximum internal memory (64-bit)	16 GB
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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