ASUS

ASUS N551JQ-CN012D laptop Intel® Core™ i5 i5-4200H 15.6" Full HD 4 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® GT 845M FreeDOS Gray, Stainless steel

Brand : ASUS

Article code: N551JQ-CN012D

Product name : N551JQ-CN012D

Intel Core i5-4200H (2.8GHz, 3M Cache), 4GB DDR3, 1000GB HDD, Intel HD Graphics 4600 + NVIDIA GeForce GT 845M, Gigabit Ethernet, WLAN 802.11, WebCam, DOS
ASUS N551JQ-CN012D. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200H, Processor frequency: 2.8 GHz. Display diagonal: 15.6", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD-RW. Operating system installed: FreeDOS. Product color: Gray, Stainless steel

Design

Product type *	Laptop
Product color *	Gray, Stainless steel
Form factor *	Clamshell

Display

Display diagonal *	15.6"
Display resolution *	1920 x 1080 pixels
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Display surface	Matt

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor model *	i5-4200H
Processor cores	2
Processor threads	4
Processor boost frequency	3.4 GHz
Processor frequency *	2.8 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1364
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-4200 Mobile series
Processor codename	Haswell
Bus type	DMI2

Ports & interfaces

Headphone outputs	1
S/PDIF out port	✗
Microphone in	✔
Docking connector	✗
ExpressCard slot	✗
CardBus PCMCIA slot type	✗
SmartCard slot	✗

Performance

Motherboard chipset	Intel® HM86

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software

Operating system installed *	FreeDOS

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔

Processor

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 *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	16 GB

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	1 TB
HDD interface	SATA III
HDD speed	7200 RPM
HDD size	2.5"
Optical drive type *	DVD-RW
Card reader integrated	✔
Compatible memory cards	MMC, Memory Stick (MS), MS PRO, SD, MS PRO Duo, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 845M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR3
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)	1150 MHz
Maximum on-board graphics card memory	1.74 GB
On-board graphics card DirectX version	11.1
On-board graphics card OpenGL version	4.3
On-board graphics card ID	0x416
Graphics card Open GL support	✔

Audio

Built-in microphone	✔

Camera

Front camera	✔

Network

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

Processor special features

Intel® Built-in Visuals Technology	✔
Intel HD Graphics	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel 64	✔
Execute Disable Bit	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 32 x 1.65 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR15G
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)	✔
Processor ARK ID	75027
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
Password protection	✔
Password protection type	BIOS, HDD, User

Certificates

Compliance certificates	RoHS
Certification	UL, TUV, MIC, CE Marking Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, EPEAT, EU Flower, Energy star, CECP, WEEE, Erp 2013, RoHS, JATE

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	✘

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	15.1" (383 mm)
Depth	10" (255 mm)
Height (front)	1.1" (2.8 cm)
Height (rear)	1.24" (3.15 cm)
Weight *	5.95 lbs (2.7 kg)

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