ASUS

ASUS F550JK-DM205H laptop Intel® Core™ i7 i7-4710HQ 39.6 cm (15.6") HD 8 GB DDR3-SDRAM 750 GB HDD NVIDIA® GeForce® GTX 850M Windows 8.1 Grey, Silver

Brand : ASUS

Product code: F550JK-DM205H

Product name : F550JK-DM205H

Intel core i7-4710HQ (2.5GHz, 6M Cache), 8GB DDR3, 750GB HDD, Intel HD Graphics 4600 + NVIDIA GeForce GTX 850M, Gigabit Ethernet, WLAN 802.11 b/g/n, WebCam, Windows 8.1
ASUS F550JK-DM205H. 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: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 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: Grey, Silver

Design

Product type *	Laptop
Product colour *	Grey, Silver
Form factor *	Clamshell

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
HD type	HD
LED backlight	✔
Native aspect ratio	16:9

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
Processor codename	Haswell
Bus type	DMI2

Ports & interfaces

SmartCard slot	✗

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software

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® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✗

Processor

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

Storage

Total storage capacity *	750 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	750 GB
HDD interface	SATA
HDD size	2.5"
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 850M
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

Audio

Audio system	SonicMaster
Built-in microphone	✔

Camera

Front camera	✔

Network

Wi-Fi	✔
Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✘

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1

Processor special features

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	4
Battery capacity *	44 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.42 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, User

Weight & dimensions

Width	380 mm
Depth	251 mm
Height (front)	2.92 cm
Height (rear)	3.17 cm
Weight *	2.45 kg

Ports & interfaces			Other features	
DVI port	✘		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
VGA (D-Sub) ports quantity	1			
S/PDIF out port	✘			
Microphone in	✘			
Combo headphone/mic port	✔			
Docking connector	✘			
ExpressCard slot	✘			
CardBus PCMCIA slot type	✘			

Ports & interfaces	
DVI port	✘
VGA (D-Sub) ports quantity	1
S/PDIF out port	✘

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