

ASUS K556UQ-Q72P-CB laptop Intel® Core™ i7 i7-7500U 39,6 cm (15.6") Full HD 12 GB DDR4-SDRAM 1 TB HDD NVIDIA® GeForce® 940MX Wi-Fi 4 (802.11n) Windows 10 Home Brown



Brand : ASUS

Product code: K556UQ-Q72P-CB

Product name : K556UQ-Q72P-CB

Intel Core i7-7500U (2.7GHz, 4M Cache), 12GB RAM, 1000GB HDD, Intel HD Graphics 620 + NVIDIA GeForce 940MX, WLAN 802.11, Ethernet, Windows 10

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Uncompromising Performance

ASUS K Series laptops are powered by the latest 6th-generation Intel Core i7 processor with up to 8GB RAM (expandable to 16GB), and NVIDIA GeForce GT 940 graphics. With Windows 10 preinstalled, K Series is ideal for daily computing and entertainment tasks. Users can opt for a 2TB hard disk, or upgrade to a solid-state disk for faster data access speeds.

Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Brown	Numeric keypad *	✓
Form factor *	Clamshell	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	39,6 cm (15.6")	Software	
Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 10 Home
Touchscreen *	✗	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native aspect ratio	16:9	Intel® Smart Response Technology	✓
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	7th gen Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor model *	i7-7500U	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✓
Processor boost frequency	3,5 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2,7 GHz	Intel® Insider™	✓
System bus rate	4 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	4 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket	BGA 1356	Intel Trusted Execution Technology	✗
Processor lithography	14 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Kaby Lake		
Bus type	OPI		
Stepping	H0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,9 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7,5 W		
Configurable TDP-down frequency	0,8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	12	Intel TSX-NI	✗
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✗
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel® OS Guard	✓
ECC supported by processor	✗	Intel Software Guard Extensions (Intel SGX)	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory *	12 GB	Intel 64	✓
Internal memory type	DDR4-SDRAM	Execute Disable Bit	✓
Memory clock speed	2133 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	1x SO-DIMM	Processor package size	42 x 24 mm
Maximum internal memory *	16 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR2ZV
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Number of hard drives installed	1	Graphics & IMC lithography	14 nm
Hard drive capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1,00
Compatible memory cards	SD, SDHC, SDXC	Intel Smart Response Technology version	1,00
Graphics		Intel Stable Image Platform Program (SIPP) version	0,00
Discrete graphics card model *	NVIDIA® GeForce® 940MX	Intel Secure Key Technology version	1,00
Discrete graphics card memory	2 GB	Intel TSX-NI version	0,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	95451
On-board graphics card model *	Intel® HD Graphics 620	Conflict-Free processor	✓
On-board graphics card base frequency	300 MHz	Battery	
On-board graphics card dynamic frequency (max)	1050 MHz	Battery technology	Lithium Polymer (LiPo)
Maximum on-board graphics card memory	32 GB	Number of battery cells	2
On-board graphics card DirectX version	12.0	Battery capacity *	38 Wh
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	0x5916	AC adapter power	65 W
Audio		AC adapter frequency	50 - 60 Hz
Audio system	SonicMaster	AC adapter input voltage	100 - 240 V
Built-in microphone	✓	AC adapter output current	3,42 A
Camera		AC adapter output voltage	19 V
Front camera	✓	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Cable lock slot type	Kensington
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Password protection	✓
Ethernet LAN	✓	Password protection type	BIOS, HDD, User
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Ports & interfaces		Width	382 mm
USB 2.0 ports quantity *	1	Depth	258 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Height	25,5 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Weight *	2,3 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Manual	✓
VGA (D-Sub) ports quantity	1		

Ports & interfaces

Combo headphone/mic port	✓
Docking connector	✗



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