

**ASUS K501UQ-DM005T Intel® Core™ i7 i7-6500U Laptop 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 628 GB HDD+SSD NVIDIA® GeForce® 940MX Windows 10 Home Black, Silver**



**Brand :** ASUS

**Product code:** 90NB0BP2-M00050

**Product name :** K501UQ-DM005T

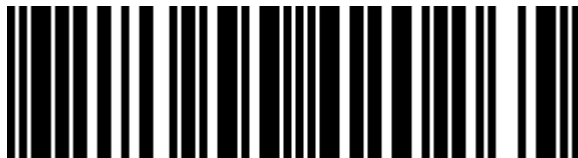
15.6" (16:9) FHD (1920x1080), Intel Core i7-6500U (4M Cache, up to 3.10 GHz), 8 GB DDR4, 500 GB HDD, + 128 GB SSD, Intel HD Graphics 520 + Nvidia Geforce 940MX, 802.11 b/g/n, Gigabit-LAN, Bluetooth 4.0, Windows 10 Home 64 bit

ASUS K501UQ-DM005T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6500U, 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: DDR4-SDRAM. Total storage capacity: 628 GB, Storage media: HDD+SSD. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: Windows 10 Home. Product colour: Black, Silver

Design		Software	
Product type *	Laptop	Operating system architecture	64-bit
Product colour *	Black, Silver	Operating system installed *	Windows 10 Home
Form factor *	Clamshell	<b>Processor special features</b>	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	39,6 cm (15.6")	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel® Anti-Theft Technology (Intel® AT)	✗
Touchscreen *	✗	Intel® Smart Response Technology	✓
HD type	Full HD	Intel® Identity Protection Technology (Intel® IPT)	✓
LED backlight	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Native aspect ratio	16:9	Intel® Turbo Boost Technology	2.0
Processor		Intel® Small Business Advantage (Intel® SBA)	✓
Processor manufacturer *	Intel	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i7	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor generation	6th gen Intel® Core™ i7	Intel Clear Video Technology	✓
Processor model *	i7-6500U	Intel® InTru™ 3D Technology	✓
Processor cores	2	Intel® Insider™	✓
Processor threads	4	Intel® Quick Sync Video Technology	✓
Processor boost frequency	3,1 GHz	Intel Flex Memory Access	✓
Processor frequency *	2,5 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	4 GT/s	Intel Trusted Execution Technology	✗
Processor cache	4 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Processor socket	LGA 1356 (Socket B2)	Intel Demand Based Switching	✗
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-6500 Mobile series		
Processor codename	Skylake		
Bus type	OPI		
FSB Parity	✗		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,6 GHz		

Processor		Processor special features	
Configurable TDP-up	25 W	Intel® Secure Key	✓
Configurable TDP-down	7,5 W	Intel TSX-NI	✗
Configurable TDP-down frequency	0,8 GHz	Intel Stable Image Platform Program (SIPP)	✗
Tjunction	100 °C	Intel® OS Guard	✓
Maximum number of PCI Express lanes	12	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express configurations	1x4, 4x1	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	8 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR4-SDRAM	Processor package size	42 X 24 mm
Maximum internal memory *	16 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage		Processor code	SR2EZ
Total storage capacity *	628 GB	CPU configuration (max)	1
Storage media *	HDD+SSD	Embedded options available	✗
Number of HDDs installed	1	Graphics & IMC lithography	14 nm
HDD capacity	500 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD speed	5400 RPM	Intel Identity Protection Technology version	1,00
HDD size	2.5"	Intel Smart Response Technology version	1,00
SSD capacity	1 GB	Intel Stable Image Platform Program (SIPP) version	0,00
Flash memory	128 GB	Intel Secure Key Technology version	1,00
Optical drive type *	✗	Intel Small Business Advantage (SBA) version	1,00
Card reader integrated	✓	Intel TSX-NI version	1,00
Compatible memory cards	SD, SDHC, SDXC	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel Dual Display Capable Technology	✓
Discrete graphics card model *	NVIDIA® GeForce® 940MX	Intel FDI Technology	✗
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
Discrete graphics card *	✓	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	88194
On-board graphics card model *	Intel® HD Graphics 520	Conflict-Free processor	✓
On-board graphics card base frequency	300 MHz	Battery	
On-board graphics card dynamic frequency (max)	1050 MHz	Battery technology	Lithium-Ion (Li-Ion)
Maximum on-board graphics card memory	1,74 GB	Number of battery cells	3
On-board graphics card DirectX version	12.0	Battery capacity *	46 Wh
On-board graphics card OpenGL version	4.4	Power	
On-board graphics card ID	1916	AC adapter power	65 W
Audio		DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✓
Front camera	✓	Trusted Platform Module (TPM)	✓
Network		Sustainability	
Wi-Fi	✓	Sustainability certificates	ENERGY STAR
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN	✓	Width	382 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	255 mm
Bluetooth	✓	Height	21,7 mm
Ports & interfaces		Weight *	2 kg
USB 2.0 ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Other features
HDMI ports quantity *	1	Maximum internal memory (64-bit) 16 GB
DVI port	✗	
Combo headphone/mic port	✓	
Docking connector	✗	
Keyboard		
Pointing device	Touchpad	
Numeric keypad *	✓	



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