

ASUS Vivobook A556UQ-DM975D laptop Intel® Core™ i7 i7-7500U 39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 128 GB SSD NVIDIA® GeForce® 940MX FreeDOS White



Brand : ASUS

Product family: Vivobook

Product code: A556UQ-DM975D

Product name : A556UQ-DM975D

Intel Core i7-7500U, 15.6" FHD, 8GB DDR4, 128GB SSD, NVIDIA GeForce 940MX 2GB, Super-Multi DVD, Card Reader, WebCam, 802.11b/g/n, Bluetooth V4.0, FreeDOS

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Uncompromising Performance

ASUS A Series laptops are powered by up to the latest 7th-generation Intel Core i7 processor with up to 8GB RAM (expandable to 16GB), and NVIDIA GeForce GT 940 graphics. With Windows 10 preinstalled, A 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 *	White	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 *	FreeDOS
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		
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 VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	12	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	✗
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Stable Image Platform Program (SIPP)	✗
ECC supported by processor	✗	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2133 MHz	Execute Disable Bit	✓
Memory slots	1x SO-DIMM	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 24 mm
Total storage capacity *	128 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	SSD	Processor code	SR2ZV
Number of SSDs installed	1	CPU configuration (max)	1
SSD capacity	128 GB	Embedded options available	✗
SSD interface	SATA III	Graphics & IMC lithography	14 nm
Optical drive type *	DVD Super Multi	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 family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 620	Battery	
On-board graphics card base frequency	300 MHz	Battery technology	Lithium Polymer (LiPo)
On-board graphics card dynamic frequency (max)	1050 MHz	Number of battery cells	2
Maximum on-board graphics card memory	32 GB	Battery capacity *	38 Wh
On-board graphics card DirectX version	12.0	Power	
On-board graphics card OpenGL version	4.4	AC adapter power	65 W
On-board graphics card ID	0x5916	AC adapter frequency	50 - 60 Hz
Audio		AC adapter input voltage	100 - 240 V
Audio system	SonicMaster	AC adapter output current	3,42 A
Built-in microphone	✓	AC adapter output voltage	19 V
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	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	
Bluetooth	✓	Width	382 mm
Bluetooth version	4.0	Depth	258 mm
Ports & interfaces		Height	25,5 mm
USB 2.0 ports quantity *	1	Weight *	2,3 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	Warranty card	✓
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	Maximum internal memory (64-bit) 16 GB	
Combo headphone/mic port	✓		
Docking connector	✗		

Catalog Object Cloud



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