

**ASUS Vivobook X556UQ-DM316D laptop Intel® Core™ i7 i7-6500U
39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1 TB HDD NVIDIA®
GeForce® 940MX FreeDOS Blue, Stainless steel**



Brand : ASUS

Product family: Vivobook

Product code: X556UQ-DM316D

Product name : X556UQ-DM316D

Intel Core i7-6500U (2.5GHz, 4M Cache), 8GB RAM, 1000GB HDD, Intel HD Graphics 520 + NVIDIA GeForce 940MX, WLAN 802.11, Gigabit Ethernet, Free DOS
ASUS Vivobook X556UQ-DM316D. Product type: Laptop, Form factor: Clamshell. Processor type: Intel® Core™ i7, Processor: 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: 1 TB, Storage media: HDD, Optical drives: DVD Super Multi. Operating system software: FreeDOS. Product colour: Blue, Stainless steel

Design		Keyboard	
Product type *	Laptop	Numeric keypad *	✓
Product colour *	Blue, Stainless steel	Full-size keyboard	✓
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system installed *	FreeDOS
Display resolution *	1920 x 1080 pixels	Processor special features	
Touchscreen *	✗	Intel® Wireless Display (Intel® WiDi)	✓
HD type	Full HD	Intel® My WiFi Technology (Intel® MWT)	✓
LED backlight	✓	Intel® Smart Response Technology	✓
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor generation	6th gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor model *	i7-6500U	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	2	Intel Clear Video Technology	✓
Processor threads	4	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.1 GHz	Intel® Insider™	✓
Processor frequency *	2.5 GHz	Intel® Quick Sync Video Technology	✓
System bus rate	4 GT/s	Intel Flex Memory Access	✓
Processor cache	4 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✗
Processor socket	LGA 1356 (Socket B2)	Intel Enhanced Halt State	✓
Processor lithography	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit	Intel® Secure Key	✓
Processor series	Intel Core i7-6500 Mobile series	Intel TSX-NI	✗
Processor codename	Skylake		
Bus type	OPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.6 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 Stable Image Platform Program (SIPP)	✗
Maximum number of PCI Express lanes	12	Intel® OS Guard	✓
PCI Express slots version	3.0	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express configurations	1x4, 4x1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	DDR4-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	2133 MHz	Processor package size	42 X 24 mm
Memory slots	1x SO-DIMM	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Maximum internal memory *	16 GB	Processor code	SR2EZ
Storage		CPU configuration (max)	1
Total storage capacity *	1 TB	Embedded options available	✗
Storage media *	HDD	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 Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel TSX-NI version	1.00
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 520	Processor ARK ID	88194
On-board graphics card base frequency	300 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Battery	
Maximum on-board graphics card memory	1.74 GB	Battery technology	Lithium Polymer (LiPo)
On-board graphics card DirectX version	12.0	Number of battery cells	2
On-board graphics card OpenGL version	4.4	Battery capacity *	38 Wh
On-board graphics card ID	1916	Power	
Audio		AC adapter power	65 W
Audio system	SonicMaster	AC adapter frequency	50 - 60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
Camera		AC adapter output current	3.42 A
Front camera	✓	AC adapter output voltage	19 V
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	✓
Ethernet LAN	✓	Cable lock slot type	Kensington
Ethernet LAN data rates	10,100,1000 Mbit/s	Password protection	✓
Bluetooth	✓	Password protection type	BIOS, HDD, User
Bluetooth version	4.0	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	Power cord included	✓

Ports & interfaces

Combo headphone/mic port	✓
Docking connector	✗

Keyboard

Pointing device	Touchpad
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