

ASUS Vivobook X510UF-BQ002T Intel® Core™ i5 i5-8250U Laptop 39.6 cm (15.6") Full HD 8 GB 1 TB HDD NVIDIA® GeForce® MX130 Wi-Fi 5 (802.11ac) Windows 10 Home Grey



Brand : ASUS

Product family: Vivobook

Product code: 90NB0IK2-M04200

Product name : X510UF-BQ002T

Intel Core i5-8250U (1.6GHz, 6M Cache), 8GB RAM, 1000GB HDD, Intel HD Graphics 620, WLAN 802.11, Windows 10

ASUS Vivobook X510UF-BQ002T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-8250U, Processor frequency: 1.6 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® UHD Graphics 620, Discrete graphics card model: NVIDIA® GeForce® MX130. Operating system installed: Windows 10 Home. Product colour: Grey

Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Product colour *	Grey	HDMI ports quantity *	1
Form factor *	Clamshell	DVI port	✗
Display		Combo headphone/mic port	✓
Display diagonal *	39.6 cm (15.6")	Keyboard	
Display resolution *	1920 x 1080 pixels	Pointing device	Touchpad
Touchscreen *	✗	Numeric keypad *	✗
HD type	Full HD	Full-size keyboard	✓
LED backlight	✓	Windows keys	✓
Native aspect ratio	16:9	Software	
Display surface	Matt	Operating system installed *	Windows 10 Home
Processor		Processor special features	
Processor manufacturer *	Intel	Intel My WiFi Technology	✓
Processor family *	Intel® Core™ i5	Intel® Smart Response Technology	✓
Processor generation	8th gen Intel® Core™ i5	Intel Identity Protection Technology	✓
Processor *	i5-8250U	Intel Hyper-Threading Technology	✓
Processor number of cores	4	Intel Turbo Boost Technology	2.0
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.4 GHz	Intel Clear Video HD Technology	✓
Processor frequency *	1.6 GHz	Intel Clear Video Technology	✓
System bus data transfer rate	4 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	6 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1356	Intel AES New Instructions	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor codename	Kaby Lake R	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	OPI	Intel® Secure Key	✓
Stepping	Y0	Intel TSX-NI	✗
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	1.8 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	10 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	1x2+2x1, 1x4, 2x2, 4x1	Intel Clear Video Technology for MID	✓
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Memory, maximum *	16 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 24 mm
Total storage capacity *	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD	Processor code	SR3LA
Number of HDDs installed	1	CPU configuration (max)	1
Hard drive capacity	1 TB	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	SD, SDHC, SDXC	Intel Identity Protection Technology version	1.00
Graphics		Intel Smart Response Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® MX130	Intel Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card memory	2 GB	Intel Secure Key Technology version	1.00
Discrete graphics memory type	GDDR5	Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Processor ARK ID	124967
On-board graphics card family	Intel® UHD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® UHD Graphics 620	Battery	
On-board graphics card base frequency	300 MHz	Number of battery cells	3
On-board graphics card dynamic frequency (max)	1100 MHz	Battery capacity *	42 Wh
Maximum on-board graphics card memory	32 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter power	65 W
On-board graphics card OpenGL version	4.4	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x5917	AC adapter input voltage	100 - 240 V
Audio		AC adapter output current	3.42 A
Audio system	SonicMaster	AC adapter output voltage	19 V
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Password protection	✓
Network		Password protection type	BIOS, HDD, User
Wi-Fi	✓	Weight & dimensions	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Width	361.4 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	243.5 mm
Bluetooth	✓	Height	19.4 mm
Ports & interfaces		Weight *	1.5 kg
USB 2.0 ports quantity *	2	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	AC adapter included *	✓
		Manual	✓

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