

ASUS Vivobook 15 X542UF-0071B8250U laptop Intel® Core™ i5 i5-8250U 39,6 cm (15.6") Full HD 4 GB DDR4-SDRAM 1,13 TB HDD+SSD NVIDIA® GeForce® MX130 Wi-Fi 4 (802.11n) Windows 10 Home Grey



Brand : ASUS

Product family: Vivobook

Article code:
X542UF-0071B8250U

Product name :
X542UF-0071B8250U

ASUS Vivobook 15 X542UF-0071B8250U. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: 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: 4 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1,13 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics 620. Operating system installed: Windows 10 Home. Product color: Grey

Design		Ports & interfaces	
Product type *	Laptop	Ethernet LAN (RJ-45) ports	1
Product color *	Grey	HDMI ports quantity *	1
Form factor *	Clamshell	DVI port	✗
Display		VGA (D-Sub) ports quantity	1
Display diagonal *	39,6 cm (15.6")	Combo headphone/mic port	✓
Display resolution *	1920 x 1080 pixels	Docking connector	✗
Touchscreen *	✗	ExpressCard slot	✗
HD type	Full HD	SmartCard slot	✗
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Processor		Numeric keypad *	✓
Processor manufacturer *	Intel	Full-size keyboard	✓
Processor family *	Intel® Core™ i5	Windows keys	✓
Processor generation	8th gen Intel® Core™ i5	Software	
Processor model *	i5-8250U	Operating system architecture	64-bit
Processor cores	4	Operating system installed *	Windows 10 Home
Processor threads	8	Processor special features	
Processor boost frequency	3,4 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	1,6 GHz	Intel® Smart Response Technology	✓
System bus rate	4 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	6 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1356	Enhanced Intel SpeedStep Technology	✓
Processor lithography	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✓
Processor codename	Kaby Lake R	Intel® InTru™ 3D Technology	✓
Bus type	OPI	Intel® Quick Sync Video Technology	✓
Stepping	Y0		
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 Flex Memory Access	✓
Maximum number of PCI Express lanes	12	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	4 GB	Intel TSX-NI	✗
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory clock speed	2133 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	16 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1,13 TB	Idle States	✓
Storage media *	HDD+SSD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	42 x 24 mm
HDD capacity	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
SSD capacity	128 GB	Processor code	SR3LA
SSD interface	SATA III	CPU configuration (max)	1
SSD form factor	M.2	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	Battery capacity *	38 Wh
On-board graphics card dynamic frequency (max)	1100 MHz	Power	
Maximum on-board graphics card memory	32 GB	AC adapter power	65 W
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.4	AC adapter input voltage	100 - 240 V
On-board graphics card ID	0x5917	AC adapter output current	2,47 A
Audio		AC adapter output voltage	19 V
Audio system	SonicMaster	DC-in jack	✓
Speaker power	1,5 W	Security	
Built-in microphone	✓	Password protection	✓
Camera		Password protection type	BIOS, User
Front camera	✓	Weight & dimensions	
Network		Width	380 mm
Wi-Fi	✓	Depth	251 mm
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Height	23,2 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight *	2,3 kg
Ethernet LAN	✓	Packaging content	
Bluetooth	✓	AC adapter included *	✓
Bluetooth version	4.0		
Ports & interfaces			
USB 2.0 ports quantity *	1		

Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Manual	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Power cord included	✓

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