

ASUS Vivobook 15 X542UN-DM231 □□□□□□□□□□□□ **Intel® Core™ i5 i5-8250U** □□□□□□□□□□□□ **39,6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD NVIDIA® GeForce® MX150 Wi-Fi 4 (802.11n)** □□□□□

Brand : ASUS

Product family: Vivobook

Product code: X542UN-DM231

Product name : X542UN-DM231



Design		Ports & interfaces	
Product type *	Laptop	VGA (D-Sub) ports quantity	1
Product colour *	White	LAN/VGA combo port	×
Form factor *	Clamshell	S/PDIF out port	×
Display		Microphone in	×
Display diagonal *	39.6 cm (15.6")	Line-in	×
Display resolution *	1920 x 1080 pixels	Combo headphone/mic port	✓
Touchscreen *	×	Docking connector	×
HD type	Full HD	Alienware graphics amplifier port	×
LED backlight	✓	ExpressCard slot	×
Native aspect ratio	16:9	CardBus PCMCIA slot type	×
Processor		SmartCard slot	×
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i5	Pointing device	Touchpad
Processor generation	8th gen Intel® Core™ i5	Numeric keypad *	✓
Processor model *	i5-8250U	Full-size keyboard	✓
Processor cores	4	Windows keys	✓
Processor threads	8	Software	
Processor boost frequency	3.4 GHz	Operating system installed *	×
Processor frequency *	1.6 GHz	Processor special features	
System bus rate	4 GT/s	Intel® My WiFi Technology (Intel® MWT)	✓
Processor cache	6 MB	Intel® Smart Response Technology	✓
Processor cache type	Smart Cache	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor socket	BGA 1356	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography	14 nm	Intel® Turbo Boost Technology	2.0
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor codename	Kaby Lake R	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Bus type	OPI		
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 Clear Video Technology	✓
Maximum number of PCI Express lanes	12	Intel® InTru™ 3D Technology	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Flex Memory Access	✓
ECC supported by processor	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	8 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR4-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	16 GB	Intel® Secure Key	✓
Storage		Intel TSX-NI	✗
Total storage capacity *	256 GB	Intel Stable Image Platform Program (SIPP)	✗
Storage media *	SSD	Intel® OS Guard	✓
SSD capacity	256 GB	Intel Software Guard Extensions (Intel SGX)	✓
SSD interface	SATA III	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
SSD form factor	M.2	Intel 64	✓
Optical drive type *	DVD Super Multi	Execute Disable Bit	✓
Card reader integrated	✓	Idle States	✓
Compatible memory cards	SD, SDHC, SDXC	Thermal Monitoring Technologies	✓
Graphics		Processor package size	42 x 24 mm
Discrete graphics card model *	NVIDIA® GeForce® MX150	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Discrete graphics card memory	4 GB	Processor code	SR3LA
Discrete graphics memory type	GDDR5	CPU configuration (max)	1
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® UHD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® UHD Graphics 620	Intel Smart Response Technology version	1.00
On-board graphics card base frequency	300 MHz	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Secure Key Technology version	1.00
Maximum on-board graphics card memory	32 GB	Intel TSX-NI version	0.00
On-board graphics card DirectX version	12.0	Intel Virtualization Technology (VT-x)	✓
On-board graphics card OpenGL version	4.4	Processor ARK ID	124967
On-board graphics card ID	0x5917	Conflict-Free processor	✓
Audio		Battery	
Audio system	SonicMaster	Battery capacity *	38 Wh
Speaker power	1.5 W	Power	
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Camera		AC adapter output current	2.47 A
Front camera	✓	AC adapter output voltage	19 V
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Password protection	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Password protection type	BIOS, User
Ethernet LAN	✓	Weight & dimensions	
Bluetooth	✓	Width	380 mm
Bluetooth version	4.0	Depth	251 mm
Ports & interfaces		Height	23.2 mm
USB 2.0 ports quantity *	1	Weight *	2.3 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Manual	✓
		Power cord included	✓

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