

ASUS VivoBook 15 X512FJ-EJ227T laptop 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-8565U 8 GB DDR4-SDRAM 1 TB HDD NVIDIA GeForce MX230 Wi-Fi 5 (802.11ac) Windows 10 Home Grey



Brand : ASUS

Product family: VivoBook

Product code: X512FJ-EJ227T

Product name : X512FJ-EJ227T

- Windows 10 Home
- Intel Core i7-8565U (8MB Cache, 1.8GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce MX230
- 8GB (2400MHz) DDR4-SDRAM & 1000GB HDD

Intel Core i7-8565U (8MB Cache, 1.8GHz), 8GB DDR4-SDRAM, 1000GB HDD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics 620, NVIDIA GeForce MX230, WLAN, Webcam, Windows 10 Home ASUS VivoBook 15 X512FJ-EJ227T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-8565U, Processor frequency: 1.8 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. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Home. Product colour: Grey



Design		Network	
Product type *	Laptop	Bluetooth version	4.1
Product colour *	Grey	Ports & interfaces	
Form factor *	Clamshell	USB 2.0 ports quantity *	2
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display diagonal *	39.6 cm (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✗	Combo headphone/mic port	✓
HD type	Full HD	Keyboard	
Panel type	IPS	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Windows keys	✓
Display surface	Matt	Software	
Maximum refresh rate	60 Hz	Operating system installed *	Windows 10 Home
NTSC coverage (typical)	45%	Processor special features	
Processor		Intel® My WiFi Technology (Intel® MWT)	✓
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor generation	8th gen Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-8565U	Intel® Turbo Boost Technology	2.0
Processor frequency *	1.8 GHz	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	4.6 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	8	Intel Clear Video Technology	✓
System bus rate	4 GT/s		
Processor cores	4		
Processor cache	8 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1528		
Processor lithography	14 nm		

Processor		Processor special features	
Processor operating modes	64-bit	Intel® Quick Sync Video Technology	✓
Processor codename	Whiskey Lake	Intel Flex Memory Access	✓
Bus type	OPI	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	15 W	Intel Trusted Execution Technology	✗
Configurable TDP-up frequency	2 GHz	Intel Enhanced Halt State	✓
Configurable TDP-up	25 W	Intel VT-x with Extended Page Tables (EPT)	✓
Configurable TDP-down	10 W	Intel® Secure Key	✓
Configurable TDP-down frequency	0.8 GHz	Intel TSX-NI	✗
Tjunction	100 °C	Intel® OS Guard	✓
Maximum number of PCI Express lanes	16	Intel Software Guard Extensions (Intel SGX)	✓
PCI Express slots version	3.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
PCI Express configurations	1x4, 2x2	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	DDR4-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	2400 MHz	Processor package size	46x24 mm
Memory form factor	On-board + SO-DIMM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory slots	1x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	12 GB	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	1 TB	Intel Identity Protection Technology version	1.00
Storage media *	HDD	Intel Smart Response Technology version	1.00
Total HDDs capacity	1 TB	Intel Secure Key Technology version	1.00
Number of HDDs installed	1	Intel TSX-NI version	0.00
HDD capacity	1 TB	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗	Processor ARK ID	149091
Card reader integrated	✓	Battery	
Compatible memory cards	MicroSD (TransFlash)	Number of battery cells	2
Graphics		Battery capacity *	37 Wh
Discrete graphics card model *	NVIDIA GeForce MX230	Power	
On-board graphics card *	✓	AC adapter power	65 W
Discrete graphics card *	✓	AC adapter frequency	50/60 Hz
On-board graphics card model *	Intel® UHD Graphics	AC adapter input voltage	100 - 240 V
On-board graphics card base frequency	300 MHz	AC adapter output current	3.42 A
On-board graphics card dynamic frequency (max)	1150 MHz	AC adapter output voltage	19 V
Maximum on-board graphics card memory	32 GB	Certificates	
On-board graphics card DirectX version	12.0	Certification	UL, CE Marking Compliance, FCC Compliance, BSMI, CCC, CB, Energy Star
On-board graphics card OpenGL version	4.5	Sustainability	
On-board graphics card ID	0x3EA0	Sustainability certificates	ENERGY STAR
Audio		Weight & dimensions	
Audio system	SonicMaster	Width	357.2 mm
Built-in microphone	✓	Depth	230.4 mm
Camera		Height	19.9 mm
Front camera	✓	Network	
Network		Wi-Fi	✓
Wi-Fi	✓	Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Ethernet LAN	✗
Ethernet LAN	✗	Bluetooth	✓
Bluetooth	✓		



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