

ASUS Vivobook S14 S433FA-EB081T Intel® Core™ i7 i7-10510U Laptop 35.6 cm (14") Full HD 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 10 Home Grey

Brand : ASUS

Product family: Vivobook

Product code: 90NB0Q04-M01780

Product name : S433FA-EB081T

- Windows 10 Home
- Intel Core i7-10510U (8MB Cache, 1.8GHz)
- 35.6 cm (14") Full HD 1920 x 1080
- 8GB (2666MHz) DDR4-SDRAM & 512GB SSD

Intel Core i7-10510U (8MB Cache, 1.8GHz), 8GB DDR4-SDRAM, 512GB SSD, 35.6 cm (14") Full HD 1920 x 1080, Intel UHD Graphics, WLAN, Bluetooth, Webcam, Windows 10 Home

ASUS Vivobook S14 S433FA-EB081T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-10510U, Processor frequency: 1.8 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Home. Product colour: Grey



Design		Camera	
Product type *	Laptop	Front camera HD type	HD
Product colour *	Grey	Network	
Form factor *	Clamshell	Wi-Fi	✓
Display		Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display diagonal *	35.6 cm (14")	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Display resolution *	1920 x 1080 pixels	Bluetooth	✓
Touch screen *	✗	Bluetooth version	5.0
HD type	Full HD	Ports & interfaces	
LED backlight	✓	USB 2.0 ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel® Core™ i7	Combo headphone/mic port	✓
Processor generation	10th gen Intel® Core™ i7	Keyboard	
Processor *	i7-10510U	Numeric keypad *	✗
Processor number of cores	4	Windows keys	✓
Processor threads	8	Software	
Processor boost frequency	4.9 GHz	Operating system installed *	Windows 10 Home
Processor frequency *	1.8 GHz	Processor special features	
System bus data transfer rate	4 GT/s	Intel My WiFi Technology	✓
Processor cache	8 MB	Intel Identity Protection Technology	✓
Processor socket	BGA 1528	Intel Hyper-Threading Technology	✓
Processor lithography	14 nm	Intel Turbo Boost Technology	2.0
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.3 GHz		
Configurable TDP-up	25 W		

Processor		Processor special features	
Configurable TDP-down	10 W	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-down frequency	0.8 GHz	Intel Clear Video HD Technology	✓
Tjunction	100 °C	Intel Clear Video Technology	✓
Maximum number of PCI Express lanes	16	Intel® Quick Sync Video Technology	✓
PCI Express slots version	3.0	Intel Flex Memory Access	✓
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Intel AES New Instructions	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR4-SDRAM	Intel® Secure Key	✓
Memory clock speed	2666 MHz	Intel TSX-NI	✗
Maximum internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Storage		Intel® OS Guard	✓
Total storage capacity *	512 GB	Intel Software Guard Extensions (Intel SGX)	✓
Storage media *	SSD	Intel 64	✓
Total SSDs capacity	512 GB	Execute Disable Bit	✓
Number of SSDs installed	1	Idle States	✓
Solid-state drive capacity	512 GB	Thermal Monitoring Technologies	✓
Optical drive type *	✗	Processor package size	46 x 24 mm
Card reader integrated	✓	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Compatible memory cards	MicroSD (TransFlash)	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	Not available	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✗	Processor ARK ID	196449
On-board graphics card family	Intel® UHD Graphics	Battery	
On-board graphics card model *	Intel® UHD Graphics	Battery technology	Lithium Polymer (LiPo)
On-board graphics card base frequency	300 MHz	Number of battery cells	3
On-board graphics card dynamic frequency (max)	1150 MHz	Battery capacity *	50 Wh
Maximum on-board graphics card memory	32 GB	Quick charge	✓
Number of execution units	24	Energy Management	
On-board graphics card DirectX version	12.0	AC adapter power	45 W
On-board graphics card OpenGL version	4.5	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x9B41	AC adapter input voltage	100 - 240 V
Audio		AC adapter output current	2.37 A
Audio system	SonicMaster	AC adapter output voltage	19 V
Built-in microphone	✓	Weight & Dimensions	
Camera		Width	324.9 mm
Front camera	✓	Depth	213.5 mm
		Height	15.9 mm
		Weight *	1.4 kg

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