

# ASUS Zenbook 14 UX431FL-AN001T laptop Intel® Core™ i7 i7-8565U 35,6 cm (14") Full HD 8 GB 256 GB SSD NVIDIA® GeForce® MX250 Wi-Fi 5 (802.11ac) Windows 10 Silver

**Brand :** ASUS

**Product family:** Zenbook

**Product code:** UX431FL-AN001T

**Product name :** UX431FL-AN001T



14" FHD (1920x1080), Intel Core i7-8565U (8M Cache, up to 4.60 GHz), 8GB RAM, 256GB SSD, Intel UHD Graphics 620, NVIDIA GeForce MX250 2GB GDDR5, WLAN, Bluetooth, Webcam, Windows 10  
ASUS Zenbook 14 UX431FL-AN001T. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-8565U, 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. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA® GeForce® MX250. Operating system installed: Windows 10. Product colour: Silver

Design		Ports & interfaces	
Product type *	Laptop	USB 2.0 ports quantity *	1
Product colour *	Silver	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Form factor *	Clamshell	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display		HDMI ports quantity *	1
Display diagonal *	35,6 cm (14")	Combo headphone/mic port	✓
Display resolution *	1920 x 1080 pixels	Keyboard	
HD type	Full HD	Pointing device	Touchpad
LED backlight	✓	Numeric keypad *	✗
Native aspect ratio	16:9	Windows keys	✓
Dual-screen	✗	Software	
Processor		Windows 11 free upgrade	✓
Processor manufacturer *	Intel	Operating system installed *	Windows 10
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	8th gen Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✓
Processor model *	i7-8565U	Intel® Smart Response Technology	✓
Processor cores	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	4,6 GHz	Intel® Turbo Boost Technology	2.0
Processor frequency *	1,8 GHz	Enhanced Intel SpeedStep Technology	✓
System bus rate	4 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	8 MB	Intel Clear Video Technology	✓
Processor cache type	Smart Cache		
Processor socket	BGA 1528		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Whiskey Lake		
Bus type	OPI		
Thermal Design Power (TDP)	15 W		

Processor		Processor special features	
Configurable TDP-up frequency	2 GHz	Intel® Quick Sync Video Technology	✓
Configurable TDP-up	25 W	Intel Flex Memory Access	✓
Configurable TDP-down	10 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Configurable TDP-down frequency	0,8 GHz	Intel Trusted Execution Technology	✗
Tjunction	100 °C	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	16	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel® Secure Key	✓
PCI Express configurations	1x4, 2x2	Intel TSX-NI	✗
Memory		Intel® OS Guard	✓
Internal memory *	8 GB	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	On-board	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	8 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	256 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Number of SSDs installed	1	Processor package size	46x24 mm
Solid-state drive capacity	256 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Optical drive type *	✗	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	SD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1,00
Discrete graphics card model *	NVIDIA® GeForce® MX250	Intel Smart Response Technology version	1,00
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	149091
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	2
On-board graphics card dynamic frequency (max)	1150 MHz	Battery capacity *	47 Wh
Maximum on-board graphics card memory	32 GB	Power	
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.5	AC adapter input voltage	100 - 240 V
On-board graphics card ID	0x3EA0	AC adapter output voltage	19 V
Audio		DC-in jack	✓
Built-in microphone	✓	Weight & dimensions	
Camera		Width	323 mm
Front camera	✓	Depth	211 mm
Network		Height	15,9 mm
Wi-Fi	✓	Weight *	1,48 kg
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Packaging content	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	AC adapter included *	✓
Antenna type	2x2		
Ethernet LAN	✗		
Bluetooth	✓		
Bluetooth version	5.0		



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