

**ASUS Zenbook 13 UX331UAL-EG053T Intel® Core™ i5 i5-8250U**  
 33,8 cm (13.3") Full HD 8 GB LPDDR3-SDRAM 256 GB  
 SSD Wi-Fi 5 (802.11ac) Windows 10 Home



**Brand :** ASUS

**Product family:** Zenbook

**Product code:** 90NB0HT4-M03440

**Product name :** UX331UAL-EG053T

Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product colour *	Pink gold	ExpressCard slot	✗
Form factor *	Clamshell		
Display		Keyboard	
Display diagonal *	33.8 cm (13.3")	Pointing device	Touchpad
Display resolution *	1920 x 1080 pixels	Numeric keypad *	✗
HD type	Full HD	Windows keys	✓
LED backlight	✓		
Native aspect ratio	16:9	Software	
Display surface	Matt	Operating system installed *	Windows 10 Home
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® My WiFi Technology (Intel® MWT)	✓
Processor family *	Intel® Core™ i5	Intel® Smart Response Technology	✓
Processor generation	8th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i5-8250U	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	4	Intel® Turbo Boost Technology	2.0
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.4 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	1.6 GHz	Intel Clear Video Technology	✓
System bus rate	4 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	6 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1356	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor codename	Kaby Lake R	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	OPI	Intel® Secure Key	✓
Stepping	Y0	Intel TSX-NI	✗
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		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	12	Intel Stable Image Platform Program (SIPP)	✗
PCI Express slots version	3.0	Intel® OS Guard	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Software Guard Extensions (Intel SGX)	✓
ECC supported by processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory		Intel 64	✓
Internal memory *	8 GB	Execute Disable Bit	✓
Internal memory type	LPDDR3-SDRAM	Idle States	✓
Memory clock speed	2133 MHz	Thermal Monitoring Technologies	✓
Memory form factor	On-board	Processor package size	42 X 24 mm
Maximum internal memory *	8 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR3LA
Total storage capacity *	256 GB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	256 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Identity Protection Technology version	1.00
SSD capacity	256 GB	Intel Smart Response Technology version	1.00
SSD interface	SATA	Intel Stable Image Platform Program (SIPP) version	0.00
SSD form factor	M.2	Intel Secure Key Technology version	1.00
Optical drive type *	✗	Intel TSX-NI version	0.00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	MicroSD (TransFlash)	Processor ARK ID	124967
Graphics		Conflict-Free processor	✓
Discrete graphics card model *	Not available	Battery	
On-board graphics card *	✓	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card *	✗	Number of battery cells	3
On-board graphics card family	Intel® UHD Graphics	Battery capacity *	50 Wh
On-board graphics card model *	Intel® UHD Graphics 620	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	45 W
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	32 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	AC adapter output voltage	19 V
On-board graphics card OpenGL version	4.4	Security	
On-board graphics card ID	0x5917	Cable lock slot	✓
Audio		Trusted Platform Module (TPM)	✓
Audio system	SonicMaster	Password protection	✓
Number of built-in speakers	2	Password protection type	BIOS, HDD, User
Speaker power	1 W	Certificates	
Built-in microphone	✓	Compliance certificates	RoHS
Camera		Certification	UL, TUV, MIC, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, CB, EPEAT, EU Flower, Energy star, WEEE, Erp 2013, RoHS
Front camera	✓	Sustainability	
Network		Sustainability certificates	ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Width	310 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	216 mm
Antenna type	2x2	Height	13.9 mm
Ethernet LAN	✗	Weight *	985 g
Bluetooth	✓		
Bluetooth version	4.2		
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		

Ports & interfaces

HDMI ports quantity *	1
HDMI version	1.4
Microphone in	×

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Publication date: 13-MAY-2025. Prints or copies of Information are only valid on the printed Publication date