



Lenovo ThinkPad E480 Intel® Core™ i7 i7-8550U Laptop 35.6 cm (14") Full HD 8 GB DDR4-SDRAM 256 GB SSD AMD Radeon RX 550 Wi-Fi 5 (802.11ac) Windows 10 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20KN001NMX

Product name : ThinkPad E480

Intel Core i7-8550U (8M Cache, 1.8 GHz), 8GB RAM, 256GB SSD, Intel UHD Graphics 620 + AMD Radeon RX 550 2GB, 35.56 cm (14 ") Full HD (1920 x 1080), Gigabit Ethernet, Bluetooth, WLAN, Windows 10 Pro (64-bit)

Lenovo ThinkPad E480. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-8550U, 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: 256 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics 620. Operating system installed: Windows 10 Pro. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Form factor *	Clamshell	Ethernet LAN (RJ-45) ports	1
Housing material	Aluminium	HDMI ports quantity *	1
Market positioning	Business	HDMI version	1.4b
Display		DVI port	✗
Display diagonal *	35.6 cm (14")	Microphone in	✗
Display resolution *	1920 x 1080 pixels	Combo headphone/mic port	✓
Touchscreen *	✗	SmartCard slot	✗
HD type	Full HD	USB Sleep-and-Charge	✓
Panel type	IPS	USB Sleep-and-Charge ports	1
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	ThinkPad UltraNav
Display surface	Matt	Numeric keypad *	✗
Screen shape	Flat	Keyboard backlit	✓
Display brightness	250 cd/m²	Spill-resistant keyboard	✓
Contrast ratio (typical)	400:1	Windows keys	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i7	Trial software	McAfee Live Safe
Processor generation	8th gen Intel® Core™ i7	Operating system installed *	Windows 10 Pro
Processor model *	i7-8550U	Processor special features	
Processor cores	4	Intel® My WiFi Technology (Intel® MWT)	✓
Processor threads	8	Intel® Smart Response Technology	✓
Processor boost frequency	4 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	1.8 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	4 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	8 MB	Enhanced Intel SpeedStep Technology	✓
Processor socket	BGA 1356	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Kaby Lake R		
Bus type	OPI		
Stepping	Y0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2 GHz		
Configurable TDP-up	25 W		

Processor		Processor special features	
Configurable TDP-down	10 W	Intel Clear Video Technology	✓
Configurable TDP-down frequency	0.8 GHz	Intel® InTru™ 3D Technology	✓
Tjunction	100 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	12	Intel Flex Memory Access	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2400 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory layout (slots x size)	1 x 8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	32 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	256 GB	Thermal Monitoring Technologies	✓
Storage media *	SSD	Processor package size	42 x 24 mm
Number of SSDs installed	1	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
SSD capacity	256 GB	CPU configuration (max)	1
SSD form factor	M.2	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	MicroSD (TransFlash)	Intel Smart Response Technology version	1.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	AMD Radeon RX 550	Intel TSX-NI version	0.00
Discrete graphics card memory	2 GB	Intel Virtualization Technology (VT-x)	✓
Discrete graphics memory type	GDDR5	Processor ARK ID	122589
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Battery technology	Lithium Polymer (LiPo)
On-board graphics card model *	Intel® UHD Graphics 620	Number of battery cells	3
On-board graphics card base frequency	300 MHz	Battery capacity *	45 Wh
On-board graphics card dynamic frequency (max)	1150 MHz	Power	
Maximum on-board graphics card memory	32 GB	AC adapter power	65 W
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.4	AC adapter input voltage	100 - 240 V
On-board graphics card ID	0x5917	DC-in jack	✓
Number of discrete graphics cards supported	1	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
Audio		Fingerprint reader	✓
Audio chip	Conexant CX11852	Trusted Platform Module (TPM)	✓
Audio system	Dolby Advanced Audio	Password protection	✓
Number of built-in speakers	2	Password protection type	HDD, Power on, Supervisor
Speaker power	1.5 W	Certificates	
Built-in subwoofer	✗	Compliance certificates	RoHS
Built-in microphone	✓	Sustainability	
Camera		Sustainability certificates	EPEAT Gold, ENERGY STAR
Front camera	✓		
Front camera resolution	1280 x 720 pixels		
Front camera signal format	720p		

Camera		Weight & dimensions	
Auto focus	✗	Width	329 mm
Network		Depth	242 mm
Wi-Fi	✓	Height	19.9 mm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	1.75 kg
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Packaging content	
Ethernet LAN	✓	AC adapter included *	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Manual	✓
Bluetooth	✓	Power cord included	✓
Bluetooth version	4.1	Other features	
Near Field Communication (NFC)	✗	LightScribe	✗
Ports & interfaces		3D	✗
USB 2.0 ports quantity *	1	Maximum internal memory (64-bit)	32 GB



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