ThinkPad E580 Platform Specifications

Processor

7th or 8th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Controller	Processor Graphics
i3-7130U	2	4	2.7 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i5-7200U			2.5 GHz	3.1 GHz	3MB		
i3-8130U	2	4	2.2 GHz	-	4MB	DDR4-2400	Intel UHD Graphics 610
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB	DDR4-2400	Intel UHD Graphics 620
i7-8550U			1.8 GHz	4.0 GHz	8MB		

** i3-7130U is not available in EMEA*

Graphics

Intel HD Graphics in processor only, or
AMD Radeon RX 550 Graphics, 2GB DDR5 memory,
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent displays;
Max resolution: 1920x1080 (HDMI)@60Hz

Memory

32GB max / 2400MHz DDR4, non-parity, dual-channel capable,
two 260-pin SO-DIMM sockets
* System clocks down for processors with lower memory controller

Display

Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight,
220 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,
250 nits, 16:9 aspect ratio, 600:1 contrast ratio

Multi-touch

None

Storage

Up to 2 drives (one M.2 SSD and one HDD)
Some: M.2 SSD / PCIe NVMe
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Active Protection System™
Some: Dummy HDD

Optical

None

Ethernet

Gigabit Ethernet Connection, Realtek R8111GUS

WLAN

One of the following, configurable by model:

- Intel Dual Band Wireless-AC 3165, 1x1, Wi-Fi + BT combo adapter, M.2 Card
- Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card
- Realtek RTL8821CE, Wi-Fi 1x1 802.11ac + BT4.1, M.2 card

Bluetooth™

Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN

None

SIM card

None

Smart Card Reader

None

ExpressCard

None

Dock

None

Multicard Reader

Micro SD card reader

Ports

Two USB 3.1 (one Always On), one USB 2.0, HDMI 1.4b, Ethernet (RJ-45),
One USB 3.1 Type-C Gen 2 (support data, video, and power delivery)

Monitor cable

None

Dimensions

Aluminum (WxDxH): 14.53" x 9.92" x 0.78" 369mm x 252mm x 19.95mm

Weight

From 4.7 lb (2.1kg)

Case color

LCD Rear : Black or Silver
Base Cover: Black or Silver
Top Cover: Black or Silver

Case material

Aluminum display cover

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio /
stereo speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad,
optional LED backlight

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Fingerprint reader

Some: Touch style fingerprint reader on the palm rest

NFC

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

fTPM2.0: Firmware TPM 2.0, integrated in chipset
dTPM2.0: Discrete TPM 2.0, TCG Certified

vPro

No

Battery type

Some: Li-Polymer 3-cell (45Wh)

Battery life

Some: 3-cell (45Wh): up to 13 hr

AC adapter

Some: 45-watt AC adapter (USB Type-C)
Some: 65-watt AC adapter (USB Type-C)

Preload

Some: Windows 10 Pro 64 *Some:* No operating system
Some: Windows 10 Home 64

- Lenovo Companion
- PC Manager
- Microsoft Office preloaded;
  purchase a product key to activate
- McAfee® Live Safe (30-day trial)

Limited warranty

1-year - depot repair service / service upgrades available

Mil-Spec test

None

Environment

ENERGY STAR®; RoHS-compliant