ThinkPad E550 Platform Specifications

Processor

4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory speed	Processor Graphics
i3-4005U	2	4	1.7 GHz	-	3MB	DDR3L-1600	HD4400
i3-5005U	2	4	2.0 GHz	-	3MB		HD5500
i3-5015U	2	4	2.1 GHz		3MB		HD5500
i5-5200U	2	4	2.2 GHz	2.7 GHz	3MB		HD5500
i7-5500U	2	4	2.4 GHz	3.0 GHz	4MB		HD5500

Graphics

Intel HD Graphics in processor only, or
AMD Radeon R7 M260 Graphics, 2GB DDR3 memory,
external analog monitor support via VGA DB-15 connector and
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent display
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

Intel SoC (System on Chip) platform

Memory

16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

*S*ome: 15.6" (396mm) HD (1366x768) color, anti-glare, LED backlight,
200 nits, 16:9 aspect ratio
Some: 15.6" (396mm) FHD (1920x1080) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio

Multi-touch

Some: supports 10-finger gesture

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: Hybrid drive with 8GB NAND flash memory

Optical

Some: DVD burner, 9.0mm high, removable
Some: Blank Bezel

M.2 SSD

None

Ethernet

Intel WGI218V Gigabit Ethernet Connection

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- Intel Wireless-AC 3160, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT combo adapter, M.2 Card
- RTL8723BE, Realtek 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- BCM43162, Broadcom 11-AC, 1x1, Wi-Fi + BT combo adapter, M.2 Card

WWAN

None

SIM card

None

Smart Card Read

None

ExpressCard

None

Dimensions

None Touch(WxDxH): 14.84" x 10.08" x 1.06"; 377mm x 256mm x 27mm

Weight

6-cell None Touch: from 5.21 lb (2.35kg)

Case color

Graphite Black

Case material

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0 (one Always On), one USB 2.0, Ethernet (RJ-45),
external monitor (VGA DB-15, HDMI), Lenovo OneLink connector

Monitor cable

None

Camera

Some: 0.3-megapixel, fixed focus
Some: HD720p resolution, fixed focus
Some: 3D camera, Intel RealSense™ 3D Camera with MIC

Audio support

HD Audio, Conexant® CX20751 codec, Dolby® Advanced Audio™ v4 /
stereo speakers or JBL speakers, 2W x 2 / dual array microphone,
combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys, numeric keypad

UltraNav™

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

ThinkLight™

None

Security

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

Security chip

Some: Trusted Platform Module, TCG 1.2-compliant

vPro

None

Fingerprint reader

Some: Fingerprint reader on the keyboard bezel, swipe sensor

NFC

None

Battery type

Li-Ion 6-cell (48Wh)

Battery life

6-cell (48Wh): up to 9.0 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- ThinkVantage System Update
- Evernote
- Maxthon Cloud Browser
- Norton Studio
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

Some: Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™

Some: Windows 10 Pro 64
Some: Windows 10 Home 64

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- Microsoft Office preloaded; purchase a product key to activate
- McAfee LiveSafe (30 days of virus definitions)

Limited warranty

1-year - depot repair service / service upgrades available

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

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(GDN1-Spec) August 2015

Model	20DF00CW++
Product	E550
Region	WE
Machine Type	20DF
TopSeller	TopSeller
Processor	i5-5200U
vPro	No
Graphics	Intel HD graphics 5500
Chipset	Intel SoC platform
Memory	4GBx1
Display	15.6" FHD (1920x1080)
Multi-touch	None
Color	Black
Storage	500GB 7200 rpm
Optical	DVD±RW
WLAN &Bluetooth	Intel 3160 ac + BT4.0
WWAN / M.2 SSD	None
SIM Card	None
Camera	720p
Numeric Keyboard	Numeric Keypad
dTPM	Discrete TPM
Fingerprint Reader	Fingerprint
NFC	None
Battery Cells	6-cell (48wh)
Power Adapter (watt)	45W
Preload	Windows 10 Home 64
Base Warranty	1-year, depot
Global	No
Ann Date (mm/yy)	07/15














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