

ThinkPad E450 Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | | |
|------------------|--|------------|--------------|----------------|---------------------|--------|--------------|--------------------|--|---|--|
| Processor | 4th or 5th Generation Intel® Core™ i3 / i5 / i7 Processor | | | | | | | | Multicard Reader Ports | 4-in-1 reader (MMC, SD, SDHC, SDXC) Two USB 3.0, one USB 2.0 (Always On), Ethernet (RJ-45), external monitor (HDMI), Lenovo OneLink connector | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory speed | Processor Graphics | | None | |
| | i3-4005U | 2 | 4 | 1.7 GHz | - | 3MB | DDR3L-1600 | HD4400 | | | |
| | i3-5005U | 2 | 4 | 2.0 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 R5 M240 Graphics, 1GB DDR3 memory, AMD Radeon R7 M260 Graphics, 2GB DDR3 memory, digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display Max resolution: 1920x1080 (HDMI) @60Hz | | | | | | | | Keyboard UltraNav™ ThinkLight™ | 6-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device and multi-touch with 3+2 buttons click pad None | |
| Chipset | Intel SoC (System on Chip) platform | | | | | | | | Security | Power-on password, hard disk password, supervisor password, security keyhole | |
| Memory | 16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | | | | | | | | Security chip | TPM : Trusted Platform Module, TCG 1.2-compliant Soft : Software TPM enabled | |
| Display | Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio | | | | | | | | vPro | None | |
| Multi-touch | Some: supports 10-finger gesture | | | | | | | | Fingerprint reader | Some: Fingerprint reader on the keyboard bezel, swipe sensor | |
| 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 | | | | | | | | NFC | None | |
| Optical | None | | | | | | | | Battery type | Li-Ion 6-cell (47Wh) | |
| M.2 SSD | None | | | | | | | | Battery life | 6-cell (47Wh): up to 9.0 hr | |
| Ethernet | Intel WGI218V Gigabit Ethernet Connection | | | | | | | | AC adapter | Some: 45-watt AC adapter (Integrated Graphics) Some: 65-watt AC adapter (Discrete Graphics) | |
| Bluetooth™ | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter | | | | | | | | 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 • Lenovo Companion • 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) | |
| 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 | | | | | | | | | 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) | |
| WWAN | None | | | | | | | | | Some: Windows 7 Professional preinstalled through downgrade rights in Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • ThinkVantage Product Recovery • Rescue and Recovery™ | |
| SIM card | None | | | | | | | | | Some: Windows 10 Pro 64 • Lenovo Solution Center • Lenovo SHAREit • Lenovo Companion • Microsoft Office preloaded; purchase a product key to activate • McAfee LiveSafe (30 days of virus definitions) | |
| Smart Card Read | None | | | | | | | | | | |
| ExpressCard | None | | | | | | | | | | |
| Dimensions | None Touch(WxDxH): 13.35" x 9.41" x 0.94"; 339mm x 239mm x 24mm | | | | | | | | | | |
| Weight | 6-cell None Touch: from 4.00 lb (1.81kg) | | | | | | | | | | |
| Case color | Graphite Black | | | | | | | | | | |
| Case material | PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic | | | | | | | | | | |
| Limited warranty | | | | | | | | | 1-year - depot repair service / service upgrades available | | |
| Environment | | | | | | | | | EPEAT™ Gold; ENERGY STAR®; RoHS-compliant | | |

| Model | 20DC008Txx |
|--------------------|---------------------------------------|
| Product | ThinkPad E450 |
| Region | EAST |
| Machine Type | 20DC |
| TopSeller | TopSeller |
| Processor | Core i7-5500U (2C, 2.4 / 3.0GHz, 4MB) |
| vPro | No |
| Graphics | AMD Radeon R7 M260 2GB |
| Memory | 4GBx1 |
| Display | 14" FHD (1920x1080) |
| Multi-touch | None |
| Storage | 1TB 5400rpm |
| Optical | None |
| WLAN + Bluetooth | Intel 7265 ac, 2x2 + BT4.0 |
| WWAN | None |
| SIM Card | None |
| Color | Black |
| Case Material | Aluminum |
| Camera | 720p |
| Keyboard | Non-backlit |
| Fingerprint Reader | Fingerprint Reader |
| NFC | None |
| TPM | None |
| Battery | 6-cell (47Wh) |
| Power Adapter | 65W |
| Operating System | None |
| Warranty | 1-year, Depot |
| Global | No |
| Ann Date (mm/yy) | 01/15 |



