



ThinkPad E585 Platform Specifications

Product Specifications Reference (PSREF)

| | | | | | | | | | | |
|-------------------|---|------------|--------------|----------------|---------------------|----------------------------|-------------------|------------------------|--|--|
| Processor | AMD Ryzen™ Mobile Processors with Radeon™ Vega Graphics | | | | | | | | Dimensions <i>Aluminum (WxDxH):</i> 12.96" x 9.53" x 0.78"; 329mm x 242mm x 19.9mm <i>PC/ABS (WxDxH):</i> 12.96" x 9.53" x 0.83"; 329mm x 242mm x 21.9mm | |
| | Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | L2 Cache | Memory Controller | Processor Graphics | | Weight Starting at 4.7 lb / 2.1kg Case color Black Case material <i>Display cover:</i> Aluminum or PC/ABS plastic; <i>Bottom:</i> PC/ABS plastic |
| | Ryzen 3 2200U | 2 | 4 | 2.5 GHz | 3.4 GHz | 1MB | DDR4-2400 | Radeon Vega 3 Graphics | | |
| | Ryzen 5 2500U | 4 | 8 | 2.0 GHz | 3.6 GHz | 2MB | | Radeon Vega 8 Graphics | | |
| Ryzen 7 2700U | 2.2 GHz | | | 3.8 GHz | 2MB | Radeon RX Vega 10 Graphics | | | | |
| Graphics | AMD Radeon Vega 3, Vega 8, or RX Vega 10 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 1920x1080 (HDMI) @60Hz | | | | | | | | Smart card reader None | |
| Chipset | AMD SoC (System on Chip) platform | | | | | | | | Media reader MicroSD card reader | |
| Memory | 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets | | | | | | | | Ports Two USB 3.1 Gen 1 (one Always On), one USB 3.1 Type-C Gen 2, one USB 2.0, HDMI 1.4b, Ethernet (RJ-45), headphone / microphone combo jack, microSD card reader, security keyhole | |
| Display | <i>Some:</i> 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 400:1 contrast ratio (NOT available in EMEA) <i>Some:</i> 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio | | | | | | | | Camera HD720p camera, fixed focus | |
| Multi-touch | None | | | | | | | | Audio support HD Audio, Conexant® CX11852 codec, Dolby® Advanced Audio / stereo speakers, 1.5W x 2 / dual array microphone, headphone / microphone combo jack | |
| Storage | <i>Up to 2 drives (one M.2 SSD and one HDD)</i> <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, removable, upgradable, Active Protection System™ <i>Some:</i> M.2 SSD / PCIe NVMe | | | | | | | | Keyboard 6-row, spill-resistant, multimedia Fn keys | |
| Optical | None | | | | | | | | UltraNav™ TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad | |
| Ethernet | Gigabit Ethernet Connection, Realtek RTL8111GUS | | | | | | | | Security Power-on password, hard disk password, supervisor password, security keyhole | |
| WLAN + Bluetooth™ | <i>One of the following, configurable by model:</i> • Qualcomm QCNFA435, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek® RTL8821CE, Wi-Fi 1x1 802.11ac + Bluetooth 4.1, M.2 card • Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card | | | | | | | | Security chip Discrete TPM 2.0, TCG Certified | |
| WWAN | None | | | | | | | | Fingerprint reader None | |
| SIM card | None | | | | | | | | NFC None | |
| | | | | | | | | | Battery Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter | |
| | | | | | | | | | Max battery life <i>MobileMark® 2014:</i> 8.63 hr * Battery life varies significantly with settings, usage, & other factors | |
| | | | | | | | | | AC adapter 45W or 65W USB Type-C AC adapter | |
| | | | | | | | | | Preload (<i>optional</i>) Windows® 10 Home 64 or Windows 10 Pro 64 | |
| | | | | | | | | | Limited warranty 1-year depot repair service | |
| | | | | | | | | | Mil-Spec test None | |
| | | | | | | | | | Environment ENERGY STAR® 6.1; RoHS-compliant | |

Note: The specifications above may not be available in all regions.

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| Model | Region | Processor | Graphics | Memory | Display | Storage(HDD/SSD) | Optical | WLAN + Bluetooth | WWAN | SIM Card | Color | Case Material | Camera | Keyboard | Finger-print Reader | TPM | Battery | Power Adapter | Operating System | Warranty | Ann Date (m/y) |
|------------|--------|-------------------|-------------------------|--------|---------------------------|---|---------|--------------------------|------|----------|-------|---------------|--------|-------------|---------------------|----------|---------|---------------|------------------|---------------|----------------|
| 20KV0006xx | EAST | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV0007xx | EAST | AMD Ryzen 3 2200U | AMD Vega 3 Graphics | 4GBx1 | 15.6" FHD (1920x1080) IPS | 128GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV0008xx | EAST | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV000Bxx | EAST | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000Dxx | EAST | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 512GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000Gxx | EAST | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000Hxx | EAST | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV000G++ | EMEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000H++ | EMEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV000B++ | EMEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000D++ | EMEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 512GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV0007++ | EMEA | AMD Ryzen 3 2200U | AMD Vega 3 Graphics | 4GBx1 | 15.6" FHD (1920x1080) IPS | 128GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV0008++ | EMEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV0006++ | EMEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV0006** | MEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV0007** | MEA | AMD Ryzen 3 2200U | AMD Vega 3 Graphics | 4GBx1 | 15.6" FHD (1920x1080) IPS | 128GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV0008** | MEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |
| 20KV000G** | MEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000D** | MEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 512GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |
| 20KV000B** | MEA | AMD Ryzen 7 2700U | AMD RX Vega 10 Graphics | 8GBx2 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm + 256GB SSD M.2 PCIe NVMe Opal2 | None | QCNTA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 07/18 |

| Model | Region | Processor | Graphics | Memory | Display | Storage(HDD/SSD) | Optical | WLAN + Bluetooth | WWAN | SIM Card | Color | Case Material | Camera | Keyboard | Finger-print Reader | TPM | Battery | Power Adapter | Operating System | Warranty | Ann Date (m/y) |
|------------|--------|-------------------|---------------------|--------|---------------------------|------------------|---------|--------------------------|------|----------|-------|---------------|--------|-------------|---------------------|----------|---------|---------------|------------------|---------------|----------------|
| 20KV000H** | MEA | AMD Ryzen 5 2500U | AMD Vega 8 Graphics | 8GBx1 | 15.6" FHD (1920x1080) IPS | 1TB 5400rpm | None | QCNFA435 ac, 1x1 + BT4.1 | None | None | Black | Aluminum | 720p | Non-backlit | None | dTPM 2.0 | 45Wh | 65W USB-C | Win10 Pro 64 | 1-year, Depot | 06/18 |