ThinkPad E590 Platform Specifications

AMD Radeon RX 550X Graphics, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI) Chipset Memory Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation Monitor cable Bundled Accy Camera Audio support HDMI 1.4b, Ethernet (RJ-45), headph microSD card reader, security keyhold to be pending on many factors, actual data in None None HD720p camera, fixed focus HD720p camera, fixed focus stereo speakers, 2W x 2. Dolby® Adva	function of Power Delivery and DisplayPort), none / microphone combo jack, le transfer speed may be lower than theoretical speed
Graphics Intel UHD Graphics in processor only or Intel UHD Graphics in processor and AMD Radeon RX 550X Graphics, 2GB GDDR5 memory; supports external digital monitor via HDMI or USB Type-C; supports dual independent display; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@24Hz (HDMI) Chipset Memory Intel Soc (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation MicroSD card reader None Media reader Ports One USB 2.0, two USB 3.1 Gen 1 (or one USB 3.1 Type-C Gen 2 (with the HDMI 1.4b, Ethernet (RJ-45), headph microSD card reader, security keyhold the supports of the plant of the processor and HDMI or USB Type-C; August 1.4b, Ethernet (RJ-45), headph microSD card reader Ports Monitor cable Bundled Accy None Camera Audio support HD720p camera, fixed focus the full focus of the plant of the processor and the processor and the processor and Audio support in the UHD Graphics of the UHD Graphics	function of Power Delivery and DisplayPort), none / microphone combo jack, le transfer speed may be lower than theoretical speed
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Chipset Intel SoC (System on Chip) platform Memory 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * Installed memory is actually 2666MHz but run at 2400MHz due to Intel limitation Tamera HD720p camera, fixed focus Audio support HD Audio, Synaptic® CX11880 codec stereo speakers, 2W x 2. Dolby® Adva	- /
Sterieu Speakers, zw x z, Doiby Advo	C/
Size / Resolution Type Surface Brightness Aspect Contrast Viewing Multi-touch dual array microphone, headphone / I	microphone combo jack
15.6" HD (1366x768) TN Anti-glare 220 nits 16:9 400:1 90° Non-touch UltraNay™ TrackPoint® pointing device and button	keys, numeric keypad, optional LED backlight nless Mylar surface multi-touch touchpad
	ord, supervisor password, security keyhole set or discrete TPM 2.0 TCG Certified
Storage Up to two drives (one M.2 SSD and one HDD) • HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ • M.2 2280 SSD / SATA 6.0Gb/s • M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 (may be disabled in some region) System Mgt None Fingerprint reader Optional: Touch style fingerprint reader None	
	0 80% in 1hr) with 65W AC adapter ware configurations, settings, usage, & other factors
Ethernet Gigabit Ethernet Connection, Realtek R8111GUS AC adapter 45W or 65W USB-C AC adapter	
WLAN + Bluetooth™ One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.2, M.2 card • Intel Wireless-AC 9260, Wi-Fi 2x2 802.11ac + Bluetooth 5.0, M.2 card • 1-year mail-in repair service	
WWAN None • 1-year depot repair service • 1-year limited onsite service • 1-year limited onsite service	
Mil-Spec test MIL-STD-810G military testing	
Environment EPEAT™ Silver; ENERGY STAR® 7.1	; TCO Certified; RoHS-compliant

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

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