ThinkPad T590 Platform Specifications

Processor	8th Generation Intel® Core™ i5 / i7 Processor												Dimensions	<i>WxDxH</i> : 14.40" x 9.76" x 0.75"; 365.8mm x 248mm x 19.1mm
	Proces Numb i5-826	er 5U	# of Cores	# of Thread	s Fre	Base quency 6 GHz	Max T Frequ 3.9 0	ency C	Cache 6MB	Memory Types	Gra	essor phics	Weight Case color Case material	FHD model: 3.87 lb / 1.75 kg; UHD model: 3.86 lb / 1.75 kg Black Display cover: PPS / 50% GF; Bottom: PA / 50% GF
	i5-836 i7-856 i7-866	5U	4	8	1.	6 GHz 8 GHz 9 GHz	4.6 (4.6 GHz	6MB 8MB 8MB	DDR4-2400	Intel UHD Grapt 620		Smart card reade Media reader Ports	or Optional: Smart card reader MicroSD card reader Two USB 3.1 Gen 1 (one Always On),
Graphics	Intel UHD Graphics 620 in processor only or Intel UHD Graphics 620 in processor and NVIDIA® GeForce® MX250, 2GB GDDR5 memory; supports external digital monitor via HDMI or Thunderbolt; supports three independent displays; Max resolution: 4096x2304@60Hz (Thunderbolt); 4096x2160@24Hz (HDMI)											DMI)	- Monitor cable	one USB 3.1 Type-C Gen 1 (with the function of Power Delivery and DisplayPort), one USB 3.1 Type-C Gen 2 / Thunderbolt 3 (with the function of PD and DP), HDMI 1.4b, Ethernet (RJ-45), nano-SIM card slot (WWAN models), headphone / microphone combo jack, optional smart card reader, microSD card reader, side docking connector, security keyhole * Depending on many factors, actual data transfer speed may be lower than theoretical speed HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter
Chipset Memory	Intel SoC (System on Chip) platform 40GB or 48GB max / 2400MHz DDR4, dual-channel capable, 8GB or 16GB memory soldered to systemboard, one DDR4 SO-DIMM socket											cket	(optional) Bundled Accy	USB-C to VGA: Lenovo USB-C to VGA Adapter (NOT available in EMEA) USB-C to DP: Lenovo USB-C to DisplayPort Adapter (NOT available in EMEA) None
Display	Size				Туре				Aspec Ratio	t Contrast		Viewing t Angle	1	 One of the following, configurable by model: HD720p camera with ThinkShutter camera privacy, fixed focus IR camera and HD720p camera with ThinkShutter camera privacy, fixed focus
	15.6"	UHD	(1920x (3840x	(2160)		Anti-glaı Anti-glaı	_	0 nits	16:9 16:9	700:1 1200:1	45% 100%		Audio support	HD Audio, Realtek® ALC3287 codec / stereo speakers, 2W x 2, Dolby® Audio™ Premium / dual array far-field microphone (optional for special bid model),
Multi-touch (opt)		חטוו,	DOIDY	V 151011		nger ges		FHD o	nly)		Adobe	?	Keyboard	headphone / microphone combo jack 6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight
	 M.2 2280 SSD / SATA 6.0Gb/s M.2 2280 SSD / PCIe NVMe, PCIe 3.0 x 4 M.2 2242 SSD / PCIe NVMe, PCIe 3.0 x 2 Intel Optane™ Memory H10 with Solid State Storage, M.2 2280, PCIe NVMe 3.0 x 4 None 												UltraNav™ Security Security chip System Mgt (opt)	TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad Power-on password, hard disk password, supervisor password, security keyhole Firmware TPM 2.0 integrated in chipset or discrete TPM 2.0 TCG Certified (may be disabled in some region) Intel vPro Technology r Optional: Touch style match on chip fingerprint reader on the palm rest
Ethernet	Non-v									cksonville)			NFČ (optional)	Near Field Communication
Bluetooth™ WWAN (optional)	vPro model: Intel Ethernet Connection I219-LM (Jacksonville) Intel Wireless-AC 9560, Wi-Fi 2x2 802.11ac + Bluetooth 5.0 Bluetooth 5.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter One of the following, configurable by model: Wireless WAN upgradable (special bid only in EMEA) Integrated Mobile Broadband 4G LTE, Fibocom L830-EB, M.2 card (EMEA only)												Battery Integrated Li-ion 57Wh battery, supports Rapid Charge (charge up to 80% in 1hr with 65W AC adapter Max battery life AC adapter AC adapter AC adapter AC adapter 65W USB-C AC adapter 65W USB-C Slim AC adapter 65W USB-C Slim AC adapter	
SIM card (opt)	Integrated Mobile Broadband 4G LTE-A, Fibocom L850-GL, M.2 card *For non-WWAN model, it means the model is NOT WWAN upgradable Nano-SIM card slot, optional Verizon LTE (US) SIM card									ogradable	card			 Optional: Windows® 10 Home 64 or Windows 10 Pro 64 1-year depot repair service 1-year depot with 2-year system board repair service 1-year limited onsite service 1-year + 2-year depot repair service 1-year + 2-year limited onsite service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service
													Mil-Spec test	MIL-STD-810G military testing
Note: The specifica													Environment	EPEAT™ Gold; ENERGY STAR® 7.1; RoHS-compliant