ThinkPad L580 Platform Specifications

Processor Number 3-8130U 5-8250U 5-8350U 7-8550U ntel HD G MD Rade discrete m upports e upports the	2 # of Cores 2 4 raphics raphi	2 4 tel Core # of Threads 4 8 6 610, 62	2.2 GHz 1.6 GHz 1.7 GHz 1.8 GHz	Max Turbo Frequency 3.4 GHz 3.4 GHz 3.6 GHz	Cache 2MB 3MB 3MB 3MB Cache 4MB 6MB	Memory Types DDR4-2133 Memory Types	Processor Graphics Intel HD Graphics 610 Intel HD Graphics 620 Processor Graphics	ExpressCard Smart card reade Media reader Ports Monitor cable (optional)	Black PC/ABS plastic None roptional: Smart card reader MicroSD card reader Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, 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 HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter
3-7130U 5-7200U 5-7300U th General Processor Number 3-8130U 5-8250U 5-8350U 7-8550U ntel HD G MD Rade discrete rupports e upports the	raphics raphics and 130 raphics raphic	4 tel Core # of Threads 4 8 6 610, 62 6 620 or 1	2.7 GHz 2.5 GHz 2.6 GHz i3 / i5 / i7 F Base Frequency 2.2 GHz 1.6 GHz 1.7 GHz	3.1 GHz 3.5 GHz Processor Max Turbo Frequency 3.4 GHz 3.6 GHz	3MB 3MB 3MB 3MB Cache 4MB 6MB	Memory	Intel HD Graphics 620	Smart card reade Media reader Ports Monitor cable (optional)	MicroSD card reader Two USB 3.1 Gen 1 (one Always On), two USB 3.1 Type-C Gen 1, 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 HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter USB-C to VGA: Lenovo USB-C to VGA Adapter
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Jumber 3-8130U 5-8250U 5-8350U 7-8550U ntel HD G MD Rade MD Rade discrete m upports e	2 4 raphics raphics on 530	8 8 610, 62 620 or	Frequency 2.2 GHz 1.6 GHz 1.7 GHz 1.8 GHz	Frequency 3.4 GHz 3.4 GHz 3.6 GHz	4MB 6MB			(optional)	USB-C to VGA: Lenovo USB-C to VGA Adapter
5-8250U 5-8350U 7-8550U ntel HD G MD Rade discrete m upports e upports th	4 raphics raphics	8 610, 62 620 or	1.6 GHz 1.7 GHz 1.8 GHz	3.4 GHz 3.6 GHz	6MB	· ·	·	0	
ntel HD G ntel HD G MD Rade discrete m upports e upports th	raphics on 530	620 or l		4 0 GHz	1.6 GHz 3.4 GHz 6MB 1.7 GHz 3.6 GHz 6MB 1.8 GHz 4.0 GHz 8MB DDR4-2400 Intel UHD Graphics 620 HD Audio, Realtek AL dual array microphone Keyboard 6-row, spill-resistant, r	´HD Audio, Realtek ALC3287 codec, Dolby® Audio™ / stereo speakers, 2W x 2 / dual array microphone, headphone / microphone combo jack			
ntel HD G MD Rade discrete m upports e upports th	raphics on 530	620 or l	20 or Intel L					Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, numeric keypad, optional LED backlight TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad
Intel HD Graphics 610, 620 or Intel UHD Graphics 620 in processor only or Intel HD Graphics 620 or Intel UHD Graphics 620 in processor and AMD Radeon 530, 2GB GDDR5 memory (discrete models are NOT available in EMEA); supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2304@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)							nd	Security Security chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole Discrete TPM 2.0, TCG Certified Intel vPro Technology r Optional: Touch style match on chip fingerprint reader on the palm rest, anti-spoofing technology Near Field Communication
Intel SoC (System on Chip) platform 32GB max / 2400MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets * System clocks down for processors with lower memory controller							O-DIMM sockets	Battery Max battery life	Integrated Li-Ion 45Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W USB Type-C AC adapter **MobileMark** 2014: 12 hr **Battery life varies significantly with settings, usage, & other factors
Some: 15.6" (396mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio								AC adapter	45W or 65W USB Type-C AC adapter
Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, IPS,						ED backlig		Preload	Windows® 10 Home 64 or Windows 10 Pro 64
250 nits, 16:9 aspect ratio, 800:1 contrast ratio, 170° viewing angle None							ing angle	Limited warranty	ted warranty One of the following, configurable by model: 1-year depot repair service 3-year/1-yr battery depot repair service 3-year/1-yr battery limited onsite service
System has one HDD slot or one M.2 2280 slot exclusively for storage Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)							tion System™		
							SD)	Mil-Spec test	MIL-STD-810G military certification
Some: 12	8GB N	I.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s,					ΜΔΝ	Environment	EPEAT™ Gold; ENERGY STAR® 6.1; RoHS-compliant
lone	****	1 3101 43 1	Zna Otorag	je, mataanj	CAGIG	NVC WILLI VV	777.14		
Non-vPro model: Intel Ethernet Connection I219-V (Jacksonville) vPro model: Intel Ethernet Connection I219-LM (Jacksonville)						cksonville) lacksonville	e)		
One of the following, configurable by model: • Realtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only) • Intel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card * Intel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS							card (US only) oth 4.1, M.2 card		
Integrate Intel XMN Integrate	d Mobi M™ 726 d Mobi M™ 736 WWAN	le Broad 32 (Fibod le Broad 30 (Fibod model, i	band 4G L com L830-E band 4G L com L850-C it means th	TE, EB), M.2 ca TE-A, GL), M.2 ca e model is	ird NOT W	/WAN upgr	adable		
Sor Sor Sor Jor Pr Dne In In In	me: M. me: 12 in ne n-vPro o mode e of the f ealtek® tel Dua tel 826 e of the f tegrate tel XMI tegrate tel XMI or non-SIM	me: M.2 SSD me: 128GB N in WWAN ne n-vPro model: o model: o of the following ealtek® RTL88 tel Dual Band tel 8265ac cal o of the following tegrated Mobi tel XMM™ 736 or non-WWAN no-SIM card sl	me: M.2 SSD / PCIe N me: 128GB M.2 SSD in WWAN slot as ne n-vPro model: Intel Eth o model: Intel Eth e of the following, configur ealtek® RTL8822BE, V tel Dual Band Wireless tel 8265ac card suppo e of the following, configur tegrated Mobile Broad tel XMM™ 7262 (Fibod tel XMM™ 7360 (Fibod or non-WWAN model, ino-SIM card slot, optio	me: M.2 SSD / PCIe NVMe, PCIme: 128GB M.2 SSD / PCIe NVMine: 128GB M.2 SSD	me: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 3 me: 128GB M.2 SSD / PCIe NVMe, PCIe 3 in WWAN slot as 2nd Storage, mutually ne n-vPro model: Intel Ethernet Connection I21 o model: Intel Ethernet Connection I21 of the following, configurable by model: ealtek® RTL8822BE, Wi-Fi 2x2 802.11ac + E tel Dual Band Wireless-AC 8265, Wi-Fi 2x2 tel 8265ac card supports BT4.2 but is limited of the following, configurable by model: tegrated Mobile Broadband 4G LTE, tel XMM™ 7262 (Fibocom L830-EB), M.2 ca tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 ca tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 ca tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 ca tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 ca	me: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s in E: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 1 in WWAN slot as 2nd Storage, mutually exclusine in WWAN slot as 2nd Storage, mutually exclusine in EnvPro model: Intel Ethernet Connection I219-V (Ja to model: Intel Ethernet Connection I219-LM (Le of the following, configurable by model: ealtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetoo' tel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac tel 8265ac card supports BT4.2 but is limited to BT-se of the following, configurable by model: tegrated Mobile Broadband 4G LTE, tel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMI tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 card or non-WWAN model, it means the model is NOT Wno-SIM card slot, optional Verizon LTE (US) SIM ca	me: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s me: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WN me m-vPro model: Intel Ethernet Connection I219-V (Jacksonville) o model: Intel Ethernet Connection I219-LM (Jacksonville) o model: Intel Ethernet Connection I219-LM (Jacksonville) o of the following, configurable by model: ealtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 tel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Blueto tel 8265ac card supports BT4.2 but is limited to BT4.1 by Wind of the following, configurable by model: tegrated Mobile Broadband 4G LTE, tel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 card or non-WWAN model, it means the model is NOT WWAN upgr	me: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s me: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN ne m-vPro model: Intel Ethernet Connection I219-V (Jacksonville) o model: Intel Ethernet Connection I219-LM (Jacksonville) o model: Intel Ethernet Connection I219-LM (Jacksonville) o of the following, configurable by model: ealtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only) tel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card tel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS of the following, configurable by model: tegrated Mobile Broadband 4G LTE, tel XMM™ 7262 (Fibocom L830-EB), M.2 card (EMEA only) tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 card or non-WWAN model, it means the model is NOT WWAN upgradable no-SIM card slot, optional Verizon LTE (US) SIM card	me: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s me: 128GB M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, in WWAN slot as 2nd Storage, mutually exclusive with WWAN me n-vPro model: Intel Ethernet Connection I219-V (Jacksonville) o model: Intel Ethernet Connection I219-LM (Jacksonville) o of the following, configurable by model: ealtek® RTL8822BE, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card (US only) tel Dual Band Wireless-AC 8265, Wi-Fi 2x2 802.11ac + Bluetooth 4.1, M.2 card tel 8265ac card supports BT4.2 but is limited to BT4.1 by Windows OS of the following, configurable by model: tegrated Mobile Broadband 4G LTE, tel XMM™ 7262 (Fibocom L850-GE), M.2 card (EMEA only) tegrated Mobile Broadband 4G LTE-A, tel XMM™ 7360 (Fibocom L850-GL), M.2 card or non-WWAN model, it means the model is NOT WWAN upgradable no-SIM card slot, optional Verizon LTE (US) SIM card