## ThinkPad T460p Platform Specifications

Number   Cores   Threads   Frequency   Frequency   Frequency   Frequency   Trybes		Smart card reader							6th	Processor		
Second   Content   Conte												
Procession   Process	Camera (optional) HD720p resolution, low light sensitive, fixed focus			Types	icy				Cores			
February   Register	ealtek® ALC3245 codec / stereo speakers, 1W x 2 /	Audio support		DDR4-213	lz	1		4	4			
Intel HD Graphics 530 in processor only, or Intel HD Graphics 530 in processor only, or Intel HD Graphics 530 in processor and NVIDIA GeForce® 940MX, 2GB memory supports external digital monitor via HDMI or Mini DisplayPort (supports external digital monitor via HDMI or Mini DisplayPort (able); Max resolution: 4096x2160@24Hz (HDMI) 4096x2160@24Hz (H	1 2		530	-				8				
Intel HD Graphics 530 in processor and NVIDIA GeForce® 940MX, 2GB memory; supports three independent displays:	pointing device and buttonless Mylar surface multi-touch touchpac	UltraNav™			IZ   OIVID			520 in r	phics			Graphics
Mobile Intel QM170 Chipset Memory 32GB max* / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 2133MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 SO-DIMM sockets Memory 32GB max* / 213MHz DDR4, dual-channel capable, two DDR4 Solition Centers (MobileMark* 2014) Models 3-cell (48Wh or 72Wh) Models 3-cell (48Wh or 6-cell 72Wh or 6-cell 72Wh Mdels 3-cell (48Wh or 7	form Module, TCG 1.2-compliant proved thermal and power efficiency, up to 30 day standby, ne time, enhanced security, as well as anti-tampering measures echnology	Security chip ThinkEngine vPro (optional)	t;	olayPort;	Mini Dis	and NVIDI HDMI or N ; DisplayPo	processor a nonitor via nt displays 04@60Hz (	530 in p digital m epende 096x230	phics ernal ee ind on: 40	HD Gra orts ext orts thre	Inte sup sup	Graphics
Display   Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 250 nits, 16:9 aspect ratio, 600:1 contrast ratio, 160° viewing angle Some: 14.0" (355mm) WChD (2560x14d), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 or 800:1 contrast ratio, 160° viewing angle Multi-touch None   Storage   Some: SSD / SATA 6.06b/s, 2.5" wide, 7mm high Some: SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.06b/s, 2.5" wide, 7mm or 9.5mm high Shock Mounted Hard Drive, Active Protection System™   None   HinkVantage Product Recovery None   None   None   HinkVantage Product Recovery None   No												
Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 or 800:1 contrast ratio, 160° viewing angle Multi-touch  Multi-touch  None  Storage  Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: SSD / PCle NVMe, PCle 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™  Optical  MLAN⁴  One of the following, configurable by model:  **11ac+BT, Broadcom BCM4356, 2x2, M.2 card*  **11ac+BT, Broadcom BCM4356, 2x2, M.2 card*  Bluetooth™  Bluetooth™  Bluetooth™  Wireless WAN, Sierra Wireless EM7455, Qualcomm™ 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card  **Wireless WAN, HUAWE! ME906S, HUAWE! 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card  **Wireless WAN, HUAWE! ME906S, HUAWE! Globy Mireless Connect (WE) SIM card (opt)  SIM card (opt)  Mindows 7 Professional 64 preinstalled Windows 10 Pro 64  **Lenovo Solution Center*  **Nextended Hard Drive, Active Protection System™  **Nextended Hard Drive, Active Protection System™  **Nextended Hard Drive, Active Protection System™  **Nextended Hard Drive, Active Protection Center*  **Lenovo Solution Center*  **Nextended Hard Drive, Active Protection Center*  **Nextended Hard Drive, Active Protection Center*  **IninkVantage Product Recovery™  **Nextended Hard Drive, Active Protection Center*  **Nextended Hard Drive, Active Protection System™  **Nextended Hard Drive, Active Protection Center*  **Nextended Hard Dri						,						
Multi-touch None  Multi-touch None  Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™  Optical None  Ethernet Intel Ethernet Connection I219-LM (Jacksonville)  WLAN⁴ One of the following, configurable by model: 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card Bluetooth™ Bluetooth 4.1 wireless WAN upgradable  WWAN (optional)  WWAN (optional)  WWAN (acard (opt) Wireless WAN, Sierra Wireless EM7455, Qualcom™ 4G LTE-Advanced/DC-HSPA+/HSPA-/HSPA/UMTS/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S, HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S, HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 ME906S HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 ME906S HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 ME906S HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1 ME906S Wireless WAN, HUAWE1 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card Wireless WAN, HUAWE1	/ Integrated model 4.34 fill 6.36 fill 13 fill				ntrast ratio	00:1 contr	ect ratio, 60	6:9 asp	nits, 1	250		Display
Multi-touch   None		Some: 14.0" (355mm) WQHD (2560x1440), anti-glare, LED backlight, IPS,						Son				
Storage Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Shock Mounted Hard Drive, Active Protection System™  Optical None Intel Ethernet Connection I219-LM (Jacksonville)  WLAN⁴ One of the following, configurable by model:  • 11ac+BT, Broadcom BCM4356, 2x2, M.2 card  • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card  • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card  • WWAN (optional) One of the following, configurable by model:  • Wireless WAN upgradable  • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card  • Wireless WAN, LUAWEI ME906s, Megns/EDGE/GNSS, M.2 card (WE only) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions³ WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm   through downgrade rights in Windows 10 Pro 64  Windows 10 Pro 64  Windows 10 Pro 64  Lenovo Solution Center  • ThinkVantage System Update  • Adobe® Reader®  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • Microsoft® Office preloaded;  purchase a product key to activate  • McAfee® LiveSafe™ (30-day trial)  Limited warranty¹² One of the following, configurable by model:  • 1-year depot repair service  • 3-year/1-yr battery limited o			ilo, 100 viewing angr	nast ratio,	000.1 0011	00.1 01 00	cot ratio, 7	0.0 asp	11110, 1		Non	Multi-touch
Optical None  Ethernet Intel Ethernet Connection I219-LM (Jacksonville)  WLAN⁴ One of the following, configurable by model: • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  WWAN (optional)  WWAN (optional)  One of the following, configurable by model: • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  WWAN (optional)  One of the following, configurable by model: • Wireless WAN upgradable • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7455, Qualcomm³ 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions³  WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm  • Rescue and Recovery™ • ThinkVantage System Update • Adobe® Reader® • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Microsoft® Office preloaded; purchase a product key to activate • MicAfee® LiveSafe™ (30-day frial) • Die Adobe Neader® • Microsoft® Office preloaded; • Microsoft® Office preloaded; • Microsoft® Office preloaded; • Micros	rngrade rights in Pro 64 Lenovo Solution Center Lenovo Companion Lenovo Setting		Some: SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, Shock Mounted Hard Drive, Active Protection System™						Son	Storage		
WLAN <sup>4</sup> One of the following, configurable by model:  11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card  11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 card  Bluetooth ⁴.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  WWAN (optional)  WWAN (optional)  One of the following, configurable by model:  Wireless WAN upgradable  Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card  Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)  Micro-SIM card (opt)  Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions³  WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm   Adobe® Reader®  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; purchase a product key to activate  Microsoft® Office preloaded; Microsoft® Office preloaded: Microsoft® Offic	nd Recovery™ purchase a product key to activate								Non	Optical		
MLAN <sup>4</sup> One of the following, configurable by model:  • 11ac+BT, Broadcom BCM4356, 2x2, M.2 card Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  WWAN (optional) One of the following, configurable by model:  • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) SIM card (opt) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions³  WXDXH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm  • Microsoft® Office preloaded; purchase a product key to activate • McAfee® LiveSafe™ (30-day trial)  Limited warranty¹² 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 service²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Mil-Spec test)  Mil-Spec test  Mil-STD-810G military certification  EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; Repeated the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery limited onsite service²⁴ • 3-year/1-yr battery limited onsite service, OID (Onsite International Mil-Spec test)  Mil-Spec test  Environment  EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; Repair Mil-Spec test  Environment	age System Update • McAfee® LiveSafe™ (30-day trial)	Intel Ethernet Connection I219-LM (Jacksonville)						Inte	Ethernet			
Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter  WWAN (optional)  One of the following, configurable by model:  • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)  SIM card (opt)  SIM card (opt)  Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions³  WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm	Office preloaded; a product key to activate		<ul> <li>11ac+BT, Broadcom BCM4356, 2x2, M.2 card</li> </ul>						• 11	WLAN <sup>4</sup>		
WWAN (optional)  One of the following, configurable by model:  • Wireless WAN upgradable  • Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA/UMTS/GNSS, M.2 card  • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)  SIM card (opt)  Dimensions³  WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm  • 1-year depot repair service • 3-year/1-yr battery limited onsite service? • 3-year/1-yr battery limited onsite service, OID (Onsite International Mill-Spec test)  Mill-Spec test Environment  EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; Repair Start Star	, ,		adapter									Bluetooth™
HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card Dimensions³  WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm  MI-SID-810G military certification EPEAT™ Gold (US only); ENERGY STAR® 6.1; GREENGUARD®; Recommendations in the state of the state	oot repair service r battery depot repair service r battery limited onsite service <sup>24</sup>	,	MTS/GNSS, M.2 card		·/HSPA+/I	17455,	ole fireless EM vanced/DC	pgradab Sierra W LTE-Ad	/AN u /AN, S ¹® 4G	eless W eless W alcomm	• W • W Q	WWAN (option
SIM card (opt) Micro-SIM card slot, optional Verizon LTE (US) or Lenovo Connect (WE) SIM card  Dimensions <sup>3</sup> WxDxH: 13.54" x 9.41" x 0.96"; 344mm x 239mm x 24.4mm	Mil-Spec test MIL-STD-810G military certification											
W-1-1-12	old (US only); ENERGY STAR® 6.1; GREENGUARD®; RoHS-comp	Environment	nnect (WE) SIM card	ovo Conne	S) or Len	LTE (US)	nal Verizon	ot, optio	ard slo	-SIM ca	t) Mici	SIM card (opt)
Models 3-cell 6-cell			mm T			344mm x		x 9.41"	3.54"		_	
Integrated model 3.99 lb / 1.81 kg 4.70 lb / 2.13 kg			1			ka 4		3	del			· · Oigin
discrete model 4.04 lb / 1.83 kg 4.75 lb / 2.15 kg			1									
Case material Display cover: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic; Bottom: Magnesium alloy			ne (PC/ABS) plastic;				onate/Acryl	olyCarbo				Case material