ThinkPad X250 Platform Specifications

Product Specifications Reference (PSREF)

Processor (a) Mainter (b)	Processor	5th Generation Intel [®] Core™ i3 / i5 / i7 Processor								Smart card reader Optional: Smart card reader						
Betadout 2 4 1.9 GHz 2 and the 2.9 GHz 3 Mit 2 Science 2 4 2.9 GHz 3 Mit Dorse											4-in-1 reade Two USB 3.0	reader (MMC, SD, SDHC, SDXC) SB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector				
Image: second biology of the second biology		i5-4300U			1.9 GHz	2.9 GHz	ЗМВ		Intel HD graphics 4400		HD Audio, Realtek® ALC3232 codec / stereo speakers, 1.5W x 2 /					
Graphics Intel HD Graphics 5500 in processor. Security FW 1.2, TCG Certified Graphics supports efficient analog monitor via VCA and digital monitor via Win Display/spread Security FW 1.2, TCG Certified Discrete TPM 1.2, TCG Certified Chipset Intel Security FW 1.2, TCG Certified Weelysers improve efficiency, up to 30 day standby, where simprove efficiency, up to 30 day standby, where simprove efficiency is standby as anti-lampering measures where ficiency is standby. Chipset Intel Sec (System on Chip) platform Finance		i5-5200U i5-5300U	2		2.2 GHz 2.3 GHz	2.7 GHz 2.9 GHz	3MB 3MB			UltraNav™	TrackPoint®	pointing device	and buttonles	s Mylar surface touch	pad, multi-touch	
Memory 1000MHz DDR3, une 204-processor) or 160B max (bf-4300U processor) above) / 1000MHz DDR3, une 204-prisoDJMM socket Examal battery 1000MHz DDR3, une 204-prisoDJMM socket Display Some: 12.5' (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nts 16; 98 appet ratio, 3001 contrast ratio, 3000 ratio, 16; 98 appet ratio, 3001 contrast storage Minows 81 reg 64-bit Minows 81 reg 64-bit Mino	Graphics	Intel HD Gr supports ex supports th	cternal ree inc	analog lepende	n processo monitor via ent displays	or, a VGA and s;	digital			Security chip ThinkEngine vPro <i>(optional)</i>	Discrete TPM 1.2, TCG Certified Delivers improved thermal and power efficiency, up to 30 day standby, faster resume time, enhanced security, as well as anti-tampering measures Intel vPro Technology					
Display Some: 12.5" (317.5mm) H0 (1366/r86), anti-glare, LED backlight, 300 mits, 169 agect rata, 300: contrast rata, 300 mits, 169 agect rata, 700: contrast ra		8GB max (i	5-4300	U proc	eśsor) or 1	6GB max	other p	rocessors al	oove) /	External battery	ternal battery Optional: Integrated Li-Ion or Li-Polymer 3-cell (23Wh) xternal battery Li-Ion 3-cell (23Wh) or 6-cell (48Wh or 72Wh)					
300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS Windows? 7 Professional 64 preinstalled Some: Windows 8.1 Fo 64-bit for Some: S15 (917.5mm) FDL (1920x1080), anti-glare, 270 or 360 nits Multi-touch (op) Capacitive-type multi-touch, supports 10-linger gesture, 270 or 360 nits Some: S25 / SATA 6.0Gb/s, 2.5' wide, 7mm of 9.5mm high, removable, upgradable shock Mounted Hard Drive, Active Protection System ^{1/v} Some: SD / SATA 6.0Gb/s, 2.5' wide, 7mm of 9.5mm high, removable, upgradable, shock Mounted Hard Drive, Active Protection System ^{1/v} Preload Windows 10 Pro 64 Lenovo Solution Center Lenovo Solution Center Lenovo Solution Center Lenovo Solution Center Lenovo ShatAEctit	Display	200) niṫs, 1	16:9 aśp	pect ratio, 3	300:1 contr	ast ratio	D			Battery life	5.2 hr				
Storage Some: SSD / SATA 6.0Gh/s, 25" wide, 7mm high, removable, upgradable, Some: HDD / SATA 6.0Gh/s, 25" wide, 7mm high, removable, upgradable, Shock Machine memory • Lenovo SUMDin Center • Lenovo SUMAEL • Microsoft * Micros	Multi-touch (opt)	300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, 400 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS								Preload	through dow Windows 8.	ngrade rights i 1 Pro 64-bit or	Some: Windows 8.1 Pro 64-bit Some: Windows 10 Pro 64			
M2.2SD (or) M2.SD (or)<	(1)	Some: SSI Some: HD	D/SA D/SA	TA 6.0G TA 6.0G	b/s, 2.5" w ib/s, 2.5" w	vide, 7mm l vide, 7mm	nigh, rei or 9.5m	movable, up m high, rem	gradable ovable,	-	 Lenovo Solution Center Lenovo SHAREit Lenovo SHAREit Lenovo REACHit Lenovo Companion Microsoft Office preloaded; purchase a product key to activate Norton Internet Security Vin8 w/o i5/i7 model) Micresoft[®] Office preloaded; Win8 w/o i5/i7 model) Micresoft[®] (30-day trial, 					
Ethernet Non-vPro model: Intel Ethernet Connection 1218-W (Clarkville) vPro model: Microsofte Office preloaded: purchase a product key to activate Nonton™ Internet Security Win8 & w/o is/i7 model) Win8 & w/o is/i7 model) Bluetooth™ Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Non-vPro model: Nin8 & w/o is/i7 model) Win8 & w/o is/i7 model) WLAN* One of the following, configurable by model: (10 Adapte 1, Lycate) (10 Adapte 1, Lycate) Non-vPro model: Nin8 & w/o is/i7 model) MicAdes 1, Lycate) * 11 big/in, Intel Dual Band Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card 1 + year depot repair service 3-year/1-yr battery limited onsite service? 3-year/1-yr battery limited onsite service? WWAN (optional) One of the following, configurable by model: • Wireless WAN, Bierra Wireless PM 7365, 2x2, Wi-Fi + BT adapter, M.2 card • Microsofte Office preloaded; • Year depot repair service • 3-year/1-yr battery limited onsite service? WWAN (optional) One of the following, configurable by model: • Wireless WAN, Bierra Wireless EM7345, Intel 4G LTE/LF8/QGSM/GPRS/EDGE, GPS, M.2 card Mil-Spec test Non-tooch (WS); Non-tooch 2, 28, 11 × 0, 80; 305, 5mm x 20.3mm x 20.3mm x 20.3mm x 20.3mm x 20.3mm x 20.3mm x 20.3m	Optical	Some: SSI M.2 Solid S None	HD wit State D	h 8GB I rive (SS	NAND flasi D), via M.2	h memory 2 card slot			·							
WLAN ⁴ One of the following, configurable by model: (30 days of virus definitions) • 11b/g/n, ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • 11a/b/g/n, Intiel Wireless-N 7265, 2x2, Wi-Fi + BT adapter, M.2 card • 11a/b/g/n, Intiel Dual Band Wireless-K.7 2565, 2x2, Wi-Fi + BT adapter, M.2 card • 1-year depot repair service • 11a/b/g/n, Intiel Dual Band Wireless-K.7 2565, 2x2, Wi-Fi + BT adapter, M.2 card • 1-year depot repair service WWAN (optional) One of the following, configurable by model: • -year depot repair service • Wireless WAN upgradable • Wireless WAN, Ericsson® NS321, - HSPA + 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card • Wireless WAN, Sierra Wireless EM7345, - Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card Wil-Spec test SIM card (opt) AT&® or Verizon® LTE (4G), contract required with service provider - S-earl - Gold (US) or EPEAT Silver (WE); Dimensions ³ 12.5" Touch (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 21.5mm - S-earl - S-eall Weight ² Models No + 3-cell 3-cell + 3-cell 3-cell + 3-cell Mult-touch		vPro model	l:	Intel Eth	nernet Con	nection I2 ⁻	8-LM (Clarkvilĺe)	oter							
WWAN (optional) One of the following, configurable by model: • Wireless WAN, upgradable • Wireless WAN, person® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card Mil-STD-810G military certification SIM card (opt) AT&T® or Verizon® LTE (4G), contract required with service provider Dimensions³ 12.5" (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm 12.5" Touch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm Weight ² Models No + 3-cell 3-cell + 3-cell No + 6-cell Non-touch 2.88 lb / 1.31 kg 3.13 lb / 1.42 kg 3.23 lb / 1.47 kg 3.48 lb / 1.58 kg Case material Display cover: Glass-Fiber Reinforced Plastic (mon-touch model); Glass-Fiber Reinforced Plastic (multi-touch model); Bottom: Glass-Fiber Reinforced Plastic s.48 lb / 1.58 kg	WLAN⁴	 11b/g/n, 1 11b/g/n, 1 11a/b/g/n 	ThinkPantel W	ad 11b/g ireless-l Dual Ba	g/n, 2x2, W N 7265, 2x .nd Wireles	Vi-Fi + Blue 2, Wi-Fi + ∣ ss-N 7265,	Bluetoo 2x2, Wi	th combo ad -Fi + BT ada	apter, M.2 card pter, M.2 card	Limited warranty ¹² One of the following, configurable by model: • 1-year depot repair service • 3-year/1-yr battery depot repair service						
 Wireless WAN, Éricsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card SIM card (opt) AT&T® or Verizon® LTE (4G), contract required with service provider Dimensions³ 12.5" (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm 12.5" Touch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm Weight² Models No + 3-cell 3-cell No + 6-cell 3-cell + 6-cell Non-touch 2.88 lb / 1.31 kg 3.13 lb / 1.42 kg 3.23 lb / 1.47 kg 3.48 lb / 1.58 kg Multi-touch - 3.29 lb / 1.49 kg - 3.64 lb / 1.65 kg Case material Display cover: Glass-Fiber Reinforced Plastic (multi-touch model); Bottom: Glass-Fiber Reinforced Plastic 	WWAN (optional)	One of the fo	llowing,	configui	rable by mod	del:				1	3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)					
Dimensions ³ 12.5" (WxDxH): 12.0" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm 12.5" Touch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm Weight ² Models No + 3-cell 3-cell + 3-cell No + 6-cell 3-cell + 6-cell Mon-touch 2.88 lb / 1.31 kg 3.13 lb / 1.42 kg 3.23 lb / 1.47 kg 3.48 lb / 1.58 kg Multi-touch - 3.29 lb / 1.49 kg - 3.64 lb / 1.65 kg Case material Display cover: Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model); Bottom: Glass-Fiber Reinforced Plastic		 Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card Wireless WAN, Sierra Wireless EM7345, 									EPEAT™ Gold (US) or EPEAT Silver (WE):					
12.5" Touch (ŴxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm Weight ² Models No + 3-cell 3-cell + 3-cell No + 6-cell 3-cell + 6-cell Non-touch 2.88 lb / 1.31 kg 3.13 lb / 1.42 kg 3.23 lb / 1.47 kg 3.48 lb / 1.58 kg Multi-touch - 3.29 lb / 1.49 kg - 3.64 lb / 1.65 kg Case material Display cover: Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model); Bottom: Glass-Fiber Reinforced Plastic	SIM card (opt)	AT&T® or Ve	erizon®	[®] LTE (4	G), contra	ct required	with se	rvice provide	ər]						
Non-touch 2.88 lb / 1.31 kg 3.13 lb / 1.42 kg 3.23 lb / 1.47 kg 3.48 lb / 1.58 kg Multi-touch - 3.29 lb / 1.49 kg - 3.64 lb / 1.65 kg Case material Display cover: Glass-Fiber Reinforced Plastic (non-touch model) or Carbon-Fiber Reinforced Plastic (multi-touch model); Output Bottom: Glass-Fiber Reinforced Plastic Multi-touch model);		12.5" Touch	<u>h (Ŵx</u> Ľ	<i>xH):</i> 12	2.0" x 8.21	" x 0.85"; 3	05.5mn	n x 208.5mm	n x 21.5mm							
Carbon-Fiber Reinforced Plastic (multi-touch model); Bottom: Glass-Fiber Reinforced Plastic	vveignt-	Non-touch	2.88	lb / 1.31 -	kg 3.13 3.29	lb / 1.42 kg lb / 1.49 kg	3.23	lb / 1.47 kg -	3.48 lb / 1.58 kg 3.64 lb / 1.65 kg							
	Case material		С	arbon-F	iber Reinfo	orced Plas	tic (mult	ouch model) ti-touch mod	or el);							