

ThinkPad X240 20AL (TopSeller)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Multi-touch	Graphics	Camera	Storage	Backlit key-board	M.2 Card WLAN	M.2 Card WWAN/SSD	SIM card	Finger print reader	NFC	smart card reader/ M.2 SSD	battery cells (int+ext)	Preload	Base Warranty (year)	Global	Ann Date (m/y)
20AL008WUS	i5-4200U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	None	7260 b/g/n	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13
20AL008XUS	i5-4200U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	Backlit	7260 b/g/n	upg	None	Finger	None	16GB	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL008YUS	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	Backlit	7260 ac	upg	None	Finger	None	16GB	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0090US	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	None	7260 ac	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0091US	i5-4300U	8GBx1	12.5" HD IPS	No	HD 4400	720p	500G 7200	Backlit	7260 ac	upg	None	Finger	None	16GB	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0092US	i7-4600U	8GBx1	12.5" HD IPS	No	HD 4400	720p	500G 7200	Backlit	7260 ac	upg	None	Finger	None	16GB	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0093US	i7-4600U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	Backlit	7260 ac	upg	None	Finger	None	16GB	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0094US	i7-4600U	4GBx1	12.5" HD	No	HD 4400	720p	500G 7200	None	7260 ac	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0095US	i7-4600U	8GBx1	12.5" HD IPS	No	HD 4400	720p	128G SSD	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0096US	i5-4300U	8GBx1	12.5" HD IPS	No	HD 4400	720p	128G SSD	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0097US	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	128G SSD	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0098US	i5-4300U	4GBx1	12.5" HD	MT	HD 4400	720p	128G SSD	None	7260 ac	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13
20AL0099US	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	256G SSD eDrive	None	7260 ac	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009AUS	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	256G SSD eDrive	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009BUS	i5-4300U	8GBx1	12.5" HD IPS	No	HD 4400	720p	256G SSD eDrive	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009CUS	i7-4600U	8GBx1	12.5" HD IPS	No	HD 4400	720p	256G SSD eDrive	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009DUS	i7-4600U	8GBx1	12.5" HD IPS	No	HD 4400	720p	180G SSD OPAL	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009EUS	i5-4300U	8GBx1	12.5" HD IPS	No	HD 4400	720p	180G SSD OPAL	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009FUS	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	180G SSD OPAL	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009GUS	i7-4600U	4GBx1	12.5" HD	No	HD 4400	720p	180G SSD OPAL	Backlit	7260 ac	upg	None	Finger	None	None	3+3	Win7 P64 DG Win8	3-Depot	No	11/13
20AL009HUS	i5-4300U	4GBx1	12.5" HD	No	HD 4400	720p	180G SSD OPAL	None	7260 ac	upg	None	Finger	None	None	No+6 ²	Win7 P64 DG Win8	3-Depot	No	11/13

6¹=6-cell 47.5Wh; 6²=6-cell 72Wh • For detailed platform specifications, please see [ThinkPad X240 Platform Specifications sheet](#)

Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processor						Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / dual array mic, combo audio/mic jack	
Memory	Processor	# of Cores	Clock Speed	Max Turbo Frequency	Cache	Memory speed	vPro	Keyboard UltraNav™ TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch ThinkLight™ None	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	No		
	i5-4200U		1.6 GHz	2.6 GHz	3MB		No		
	i5-4300U		1.9 GHz	2.9 GHz	3MB		Yes		
i7-4600U	2.1 GHz		3.3 GHz	4MB	Yes				
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel 4th Generation core 1 chip (integrated chipset with processor)	
Optical	None						Smart Card Reader	Optional: Smart Card reader	
SATA disk	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, APS Some: SSHD with 8GB NAND flash memory						Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
M.2 SSD	Some: Single-sided M.2 SSD, via M.2 Card slot, exclusive with Smart Card reader Some: Double-sided M.2 SSD, via M.2 Card slot, exclusive with WWAN card						Ports	Two USB 3.0 (one Always On), VGA, Mini DP, ethernet (RJ-45), Dock connector	
Widescreen display	Some: 12.5" (317.5mm) HD (1366x768), 200 nits, 300:1 contrast ratio Some: 12.5" (317.5mm) HD (1366x768), 300 nits, 700:1 contrast ratio, IPS Some: 12.5" (317.5mm) FHD (1920x1080), 400 nits, 700:1 contrast ratio, IPS						WLAN ⁴	TP 11b/g/n: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card 7260 b/g/n: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 a/b/g/n: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 ac: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card	
MultiTouch	Some: Capacitive-type MultiTouch, supports ten-finger gesture						WWAN (optional)	upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider select: User selectable, contract required with service provider	
Graphics	Intel HD Graphics 4400 in processor						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Dimensions ³	12.5W" (WxDxH): 12.0" x 8.21" x 0.78"; 305.5mm x 208.5mm x 19.9mm 12.5W" MultiTouch (WxDxH): 12.0" x 8.21" x 0.85"; 305.5mm x 208.5mm x 21.5mm						Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville)	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		NFC	Optional: Near Field Communication	
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg		Security	Power-on password, hard disk password, supervisor password, security keyhole	
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		Security chip	Trusted Platform Module, TCG 1.2-compliant	
Case material	Glass-Fiber Reinforced Plastic						vPro & iAMT	vPro and Intel Active Management Technology (iAMT) support on selected models	
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication						Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication						Preload	Win7 P64 DG Win8 / 8.1: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
Battery - life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell 47.5Wh	3-cell + 6-cell 72Wh			Win8 / 8.1 64-bit: Windows 8 / 8.1 Pro 64-bit Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit		
Battery life		8.7 hr	13.1 hr	17.4 hr					
AC adapter	45-watt AC adapter						Limited warranty ¹² 1-year - depot / 3-years (1-yr battery) - depot / 3-years (1-year battery) onsite		

See footnotes for more detailed information