



Lenovo® ThinkPad X240



Lenovo ThinkPad X240



Lenovo ThinkPad X240



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ThinkPad X240 Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Ultraportable Ultrabook™ or Thinbook; one spindle								WLAN ⁴	One of the following, configurable by model: • ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card • Intel Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card • Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card • Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card	
Processor	4th Generation Intel® Core™ i3 / i5 / i7 Processor								WWAN (optional)	One of the following, configurable by model (mutually exclusive with M.2 SSD): • Wireless WAN upgradable • Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models) • Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models) • Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)	
	Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics			
	i3-4010U	2	4	1.7 GHz	-	3MB	DDR3L-1600	Intel HD graphics 4400			
	i5-4200U			1.6 GHz	2.6 GHz	3MB					
	i5-4210U			1.7 GHz	2.7 GHz	3MB					
	i5-4300U			1.9 GHz	2.9 GHz	3MB					
	i7-4600U			2.1 GHz	3.3 GHz	4MB					
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket								SIM card (optional)	One of the following, configurable by model: • AT&T® or Verizon® LTE (4G), contract required with service provider (US models) • Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (WE models) • User selectable, contract required with service provider	
Optical Storage	None Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SSHD with 8GB NAND flash memory								Bluetooth™ Ethernet	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) Optional: Near Field Communication	
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								NFC		
Widescreen display	Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio, TN Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 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								Security chip vPro (optional)	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant Intel vPro Technology	
Multi-touch Camera (optional)	Some: Capacitive-type multi-touch, supports 10-finger gesture HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus								Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
Graphics	Intel HD Graphics 4400 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max resolution: 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)								Limited warranty ¹²	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 Delivery)	
Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch								Preload	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit • Lenovo Solution Center • ThinkVantage Product Recovery • Rescue and Recovery™ • ThinkVantage System Update • Lenovo Cloud Storage by SugarSync • PC Device Stage • Nitro Pro • Evernote® • Skype™ • Microsoft® Office preloaded; purchase a product key to activate • Norton™ Internet Security (30 days of virus definitions)	
ThinkLight™	None									Some: Windows 8 / 8.1 64-bit Some: Windows 8 / 8.1 Pro 64-bit • Lenovo Solution Center • Lenovo Support • Lenovo Companion • ThinkVantage System Update • Lenovo Reach (Windows 8.1 model) • Hightail - Metro (Windows 8.1 model) • Lenovo Cloud Storage by SugarSync - Metro (Windows 8 model) • Lenovo Cloud Storage by SugarSync (Windows 8 model) • PC Device Stage • AccuWeather • Amazon Kindle • Nitro Pro • Evernote • Skype • Rara Streaming • Norton Studio • Microsoft Office preloaded; purchase a product key to activate • Norton Internet Security (30 days of virus definitions)	
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										
Weight ²	Models	No + 3-cell	No + 6-cell	3-cell + 3-cell	3-cell + 6-cell						
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg						
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg						
Case material	Glass-Fiber Reinforced Plastic										
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication										
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication										
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell		3-cell + 6-cell 47.5Wh		3-cell + 6-cell 72Wh					
	Battery life	8.7 hr		13.1 hr		17.4 hr					
AC adapter	45-watt AC adapter										
Chipset	Intel SoC (System on Chip) platform										
Smart card reader	Optional: Smart card reader, exclusive with M.2 SSD										
Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)										
Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector										
Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 1.5W x 2 / dual array mic, combo audio/mic jack								Mil-Spec test	MIL-STD-810G military certification	
									Environment	EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant	

ThinkPad X240 20AL (TopSeller)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery cells (int+ext)	Power adapter (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AL00FRUS	i3-4010U	No	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 b/g/n+BT	Upg	None	None	None	None	Finger	None	3+3	45W	Win8 DG Win7	1-depot	No	09/14
20AL00FSUS	i3-4010U	No	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 b/g/n+BT	Upg	None	None	None	None	Finger	None	No+6(47.5wh)	45W	Win8 DG Win7	1-depot	No	09/14
20AL00FTUS	i3-4010U	No	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 b/g/n+BT	Upg	None	None	None	None	Finger	None	3+3	45W	Win8 DG Win7	1-depot	No	09/14
20AL008WUS	i5-4200U	No	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 b/g/n+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13
20AL008XUS	i5-4200U	No	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 b/g/n+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL008YUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0090US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13
20AL0091US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0096US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0097US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0098US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13
20AL0099US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13
20AL009AUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009BUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009EUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009FUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009HUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13
20AL00FJUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	512G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	07/14
20AL0092US	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0093US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL0094US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 DG Win7	3-depot	No	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None	
	i5-4200U		1.6 GHz	2.6 GHz	3MB		Chipset	Intel SoC (System on Chip) platform	
	i5-4300U		1.9 GHz	2.9 GHz	3MB		Smart card reader	Optional: Smart card reader	
i7-4600U	2.1 GHz		3.3 GHz	4MB	Media reader		4-in-1 reader (MMC, SD, SDHC, SDXC)		
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
Optical Storage	None 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						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
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						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
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 Some: Capacitive-type multi-touch, supports 10-finger gesture						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
Multi-touch Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Graphics	Intel HD Graphics 4400 in processor						Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) Optional: Near Field Communication	
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						NFC	Power-on password, hard disk password, supervisor password, security keyhole	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Security chip	Trusted Platform Module, TCG 1.2-compliant	
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg		vPro (optional)	Intel vPro Technology	
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
Case material	Glass-Fiber Reinforced Plastic						Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication							Win8 / 8.1 64: Windows 8 / 8.1 64-bit	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell 47.5Wh	3-cell + 6-cell 72Wh					
	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
US model(s) withdrawn effective March 2015

(WV1-1) © Lenovo

ThinkPad X240 20AL (TopSeller) - II

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery cells (int+ext)	Power adapter (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AL0095US	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009CUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009DUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL009GUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	11/13
20AL00FKUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	512G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	07/14
20AL00FLUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	512G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 DG Win7	3-depot	No	07/14

• 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			
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch		
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600			ThinkLight™	None	
	i5-4200U		1.6 GHz	2.6 GHz	3MB						
	i5-4300U		1.9 GHz	2.9 GHz	3MB						
i7-4600U	2.1 GHz		3.3 GHz	4MB							
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform			
Optical Storage	None						Smart card reader	Optional: Smart card reader			
	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						Media 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, MiniDP, Ethernet (RJ-45), Dock connector			
							WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card			
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						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE / HSPA+/EVDO/GSM/GPRS/EDGE, GPS			
Multi-touch	Some: Capacitive-type multi-touch, supports 10-finger gesture						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider			
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter			
Graphics	Intel HD Graphics 4400 in processor						Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) Optional: Near Field Communication			
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						NFC				
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Security	Power-on password, hard disk password, supervisor password, security keyhole			
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg		Security chip	Trusted Platform Module, TCG 1.2-compliant			
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		vPro (optional)	Intel vPro Technology			
Case material	Glass-Fiber Reinforced Plastic						Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor			
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication						Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit			
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 64: Windows 8 / 8.1 64-bit			
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell	72Wh		Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit			
	Battery life	8.7 hr	13.1 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

(WV1-2) © Lenovo

ThinkPad X240 20AL (TopSeller) - Windows 8

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Cam-era	Backlit key-board	Finger-print reader	NFC	Battery cells (int+ext)	Power adapter (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AL00D9US	i5-4200U	No	HD 4400	4GBx1	12.5" FHD IPS	MT	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	No	03/14
20AL008GUS	i5-4200U	No	HD 4400	4GBx1	12.5" HD IPS	MT	500G 7200	7260 b/g/n+BT	Upg	None	16GB	720p	None	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008HUS	i5-4200U	No	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 b/g/n+BT	Upg	None	None	720p	None	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL00D3US	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	No	03/14
20AL00D4US	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	No	03/14
20AL008JUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008KUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008NUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008PUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL009JUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL00D5US	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	No	03/14
20AL00D7US	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	512G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	No	03/14
20AL008LUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008MUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008QUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL008RUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AL009KUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None	
	i5-4200U		1.6 GHz	2.6 GHz	3MB				
	i5-4300U		1.9 GHz	2.9 GHz	3MB				
i7-4600U	2.1 GHz		3.3 GHz	4MB					
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform	
Optical Storage	None 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						Smart card reader	Optional: Smart card reader	
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						Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
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						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
Multi-touch	Some: Capacitive-type multi-touch, supports 10-finger gesture						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE / HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
Graphics	Intel HD Graphics 4400 in processor						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
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						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) 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		NFC	Security	
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		Security chip	Trusted Platform Module, TCG 1.2-compliant	
							vPro (optional)	Intel vPro Technology	
Case material	Glass-Fiber Reinforced Plastic						Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication						Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 64: Windows 8 / 8.1 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell 47.5Wh	3-cell + 6-cell 72Wh			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
US model(s) withdrawn effective March 2015

(WV1-3) © Lenovo

ThinkPad X240 20AM (Windows 8)

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery (int+ext)	Power cells(adapter (watt))	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AM009FUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009JUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009KUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009MUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009PUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM00AMUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 a/b/g/n+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	05/14
20AM00ANUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 a/b/g/n+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	05/14
20AM00AQUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 a/b/g/n+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	05/14
20AM0014US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM0016US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	Yes	10/13
20AM0019US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	None	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001CUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001FUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	Yes	10/13
20AM001JUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001VUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM004MUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM004RUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13
20AM004TUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	Yes	10/13
20AM004VUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM004YUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	EM7355	Select	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13
20AM0052US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None
	i5-4200U		1.6 GHz	2.6 GHz	3MB			
	i5-4300U		1.9 GHz	2.9 GHz	3MB			
i7-4600U	2.1 GHz		3.3 GHz	4MB				
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket					Chipset	Intel SoC (System on Chip) platform	
Optical Storage	None 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 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					Smart card reader	Optional: Smart card reader	
M.2 SSD						Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Widescreen display						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
Multi-touch						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus					WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
Graphics	Intel HD Graphics 4400 in processor					SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
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					Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell	Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) 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	NFC		
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg	Security	Power-on password, hard disk password, supervisor password, security keyhole	
	Case material	Glass-Fiber Reinforced Plastic					Security chip	Trusted Platform Module, TCG 1.2-compliant
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication					vPro (optional)	Intel vPro Technology	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication					Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell	Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
	Battery life	8.7 hr	13.1 hr		17.4 hr		Win8 / 8.1 64: Windows 8 / 8.1 64-bit Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit	
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

(WV1-4) © Lenovo

ThinkPad X240 20AM (Windows 8) - II

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery cells(adapter (int+ext))	Power (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AM0054US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM0057US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13
20AM0059US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	EM7355 Select	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	Yes	11/13
20AM0060US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	No	11/13
20AM0061US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM0066US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM006FUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM009RUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009UUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009XUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM009YUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	180G SSD Opal	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	03/14
20AM00APUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 a/b/g/n+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	05/14
20AM00ARUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 a/b/g/n+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-depot	Yes	05/14
20AM001BUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001DUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001KUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM001LUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-depot	Yes	10/13
20AM001QUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM004LUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM0053US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	10/13
20AM005AUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	180G SSD Opal	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600			
	i5-4200U		1.6 GHz	2.6 GHz	3MB				
	i5-4300U		1.9 GHz	2.9 GHz	3MB				
i7-4600U	2.1 GHz		3.3 GHz	4MB					
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform	
Optical Storage	None						Smart card reader	Optional: Smart card reader	
	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						Media 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						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
	Some: Double-sided M.2 SSD, via M.2 card slot, exclusive with WWAN card						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
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						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
Multi-touch	Some: Capacitive-type multi-touch, supports 10-finger gesture						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Graphics	Intel HD Graphics 4400 in processor						Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) Optional: Near Field Communication	
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						NFC		
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Security	Power-on password, hard disk password, supervisor password, security keyhole	
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg		Security chip	Trusted Platform Module, TCG 1.2-compliant	
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		vPro (optional)	Intel vPro Technology	
Case material	Glass-Fiber Reinforced Plastic						Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor	
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication						Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 64: Windows 8 / 8.1 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell	72Wh		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

(WV1-5) © Lenovo

ThinkPad X240 20AM (Windows 8) - III

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Cam-era	Backlit key-board	Finger-print reader	NFC	Battery cells(adapter)	Power (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AM005BUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	Yes	11/13
20AM0062US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM0069US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM006AUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13
20AM006GUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-depot	No	11/13

• 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		
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types		Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600				
	i5-4200U		1.6 GHz	2.6 GHz	3MB					
	i5-4300U		1.9 GHz	2.9 GHz	3MB					
i7-4600U	2.1 GHz		3.3 GHz	4MB						
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform		
Optical Storage	None <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, APS <i>Some:</i> SSHD with 8GB NAND flash memory <i>Some:</i> Single-sided M.2 SSD, via M.2 card slot, exclusive with Smart card reader <i>Some:</i> Double-sided M.2 SSD, via M.2 card slot, exclusive with WWAN card						Smart card reader	<i>Optional:</i> Smart card reader		
							Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
M.2 SSD							Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector		
							WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card		
Widescreen display	<i>Some:</i> 12.5" (317.5mm) HD (1366x768) , 200 nits, 300:1 contrast ratio <i>Some:</i> 12.5" (317.5mm) HD (1366x768) , 300 nits, 700:1 contrast ratio, IPS <i>Some:</i> 12.5" (317.5mm) FHD (1920x1080) , 400 nits, 700:1 contrast ratio, IPS <i>Some:</i> Capacitive-type multi-touch, supports 10-finger gesture						WWAN (<i>optional</i>)	<i>Upg:</i> Wireless WAN upgradable <i>EM7355:</i> Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS		
Multi-touch	<i>Some:</i> Capacitive-type multi-touch, supports 10-finger gesture						SIM card (<i>optional</i>)	<i>AT&T / Verizon:</i> AT&T® / Verizon® LTE (4G), contract required with service provider <i>Select:</i> User selectable, contract required with service provider		
Camera (<i>optional</i>)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Graphics	Intel HD Graphics 4400 in processor						Ethernet	<i>Non-vPro model:</i> Intel Ethernet Connection I218-V (Clarkville) <i>vPro model:</i> Intel Ethernet Connection I218-LM (Clarkville) <i>Optional:</i> Near Field Communication		
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						NFC			
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Security	Power-on password, hard disk password, supervisor password, security keyhole		
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg		Security chip	Trusted Platform Module, TCG 1.2-compliant		
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		vPro (<i>optional</i>)	Intel vPro Technology		
							Fingerprint reader	<i>Optional:</i> Fingerprint reader on the keyboard bezel, swipe sensor		
Case material	Glass-Fiber Reinforced Plastic						Preload	Win8 / 8.1 DG Win7:	Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
Internal battery	<i>Optional:</i> Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication							Win8 / 8.1 64:	Windows 8 / 8.1 64-bit	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 P64:	Windows 8 / 8.1 Pro 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell 47.5Wh	3-cell + 6-cell 72Wh						
	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

(WV1-6) © Lenovo

ThinkPad X240 20AM (Onsite) - Windows 8

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery cells(adapter (int+ext))	Power (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AM009GUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009HUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009LUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009NUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009QUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" FHD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM001AUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM001HUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	Yes	10/13
20AM001SUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM001UUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM004PUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	Yes	10/13
20AM004QUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM004SUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	EM7355	Select	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM004UUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	128G SSD	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM004XUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0050US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM0055US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0056US	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD	No	180G SSD Opal	7260 ac+BT	EM7355	Select	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM0058US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	EM7355	Select	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	Yes	11/13
20AM0064US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM0065US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	No	11/13
20AM0067US	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None	
	i5-4200U		1.6 GHz	2.6 GHz	3MB				
	i5-4300U		1.9 GHz	2.9 GHz	3MB				
i7-4600U	2.1 GHz		3.3 GHz	4MB					
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform	
Optical Storage	None 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 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						Smart card reader	Optional: Smart card reader	
M.2 SSD							Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)	
Widescreen display							Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
Multi-touch							WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
Graphics	Intel HD Graphics 4400 in processor						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
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						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) 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		NFC		
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		Security	Power-on password, hard disk password, supervisor password, security keyhole	
							Security chip	Trusted Platform Module, TCG 1.2-compliant	
Case material	Glass-Fiber Reinforced Plastic						vPro (optional)	Intel vPro Technology	
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	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell	72Wh		Win8 / 8.1 64: Windows 8 / 8.1 64-bit	
	Battery life	8.7 hr	13.1 hr					Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit	
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

(WV1-7) © Lenovo

ThinkPad X240 20AM (Onsite) - Windows 8 - II

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Cam-era	Backlit key-board	Finger-print reader	NFC	Battery cells(adapter (int+ext))	Power (watt)	Preload	Base warranty (year)	Glob-al	Ann date (m/y)
20AM006DUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM006EUS	i5-4300U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM009SUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009TUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009VUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM009WUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" FHD IPS	MT	180G SSD Opal	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8.1 P64	3-onsite	Yes	03/14
20AM0011US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0012US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0015US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM001MUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	128G SSD	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM001PUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	Yes	10/13
20AM004NUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM004WUS	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0051US	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	180G SSD Opal	7260 ac+BT	EM7355 Select	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	11/13
20AM005CUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	180G SSD Opal	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	Yes	10/13
20AM0063US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM0068US	i7-4600U	vPro	HD 4400	4GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM006BUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	MT	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13
20AM006CUS	i7-4600U	vPro	HD 4400	8GBx1	12.5" HD IPS	No	256G SSD eDrive	7260 ac+BT	Upg	None	None	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	No	11/13

• 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	
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch	
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None	
	i5-4200U		1.6 GHz	2.6 GHz	3MB		Chipset	Intel SoC (System on Chip) platform	
	i5-4300U		1.9 GHz	2.9 GHz	3MB		Smart card reader	Optional: Smart card reader	
i7-4600U	2.1 GHz		3.3 GHz	4MB	Media reader		4-in-1 reader (MMC, SD, SDHC, SDXC)		
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector	
Optical Storage	None 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						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card	
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						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/ HSPA+/EVDO/GSM/GPRS/EDGE, GPS	
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 Some: Capacitive-type multi-touch, supports 10-finger gesture						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider	
Multi-touch	Some: Capacitive-type multi-touch, supports 10-finger gesture						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter	
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) Optional: Near Field Communication	
Graphics	Intel HD Graphics 4400 in processor						NFC		
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						Security	Power-on password, hard disk password, supervisor password, security keyhole	
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell	Security chip	Trusted Platform Module, TCG 1.2-compliant		
	Non-MultiTouch	2.88 lb / 1.31kg	3.23 lb / 1.47kg	3.13 lb / 1.42kg	3.48 lb / 1.58kg	vPro (optional)	Intel vPro Technology		
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg	Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor		
Case material	Glass-Fiber Reinforced Plastic						Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit	
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication							Win8 / 8.1 64: Windows 8 / 8.1 64-bit	
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication							Win8 / 8.1 P64: Windows 8 / 8.1 Pro 64-bit	
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell	72Wh			
	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

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ThinkPad X240 20AM (Onsite) - Windows 8 - III

Product Specifications Reference (PSREF)

Model	Processor	vPro	Graphics	Memory	Display	Multi-touch	Storage	WLAN & Bluetooth	WWAN / M.2 SSD	SIM card	Smart card reader / M.2 SSD	Camera	Backlit key-board	Finger-print reader	NFC	Battery cells (int+ext)	Power adapter (watt)	Preload	Base warranty (year)	Global	Ann date (m/y)
20AM001NUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD IPS	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	OID	Yes 10/13
20AM001RUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	16GB	720p	Backlit	Finger	None	3+3	45W	Win8 P64	3-onsite	OID	Yes 10/13
20AM001TUS	i5-4300U	vPro	HD 4400	4GBx1	12.5" HD	No	500G 7200	7260 ac+BT	Upg	None	None	720p	None	Finger	None	No+6(72wh)	45W	Win8 P64	3-onsite	OID	Yes 10/13

• 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		
	Processor	# of Cores	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Keyboard UltraNav™	6-row, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch		
	i3-4010U	2	1.7 GHz	-	3MB	DDR3L-1600	ThinkLight™	None		
	i5-4200U		1.6 GHz	2.6 GHz	3MB					
	i5-4300U		1.9 GHz	2.9 GHz	3MB					
i7-4600U	2.1 GHz		3.3 GHz	4MB						
Memory	8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket						Chipset	Intel SoC (System on Chip) platform		
Optical Storage	None 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						Smart card reader	Optional: Smart card reader		
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						Media reader	4-in-1 reader (MMC, SD, SDHC, SDXC)		
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						Ports	Two USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector		
Multi-touch	Some: Capacitive-type multi-touch, supports 10-finger gesture						WLAN ⁴	11b/g/n+BT: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 card 7260 b/g/n+BT: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 a/b/g/n+BT: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 card 7260 ac+BT: Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 card		
Camera (optional)	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus						WWAN (optional)	Upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE / HSPA+/EVDO/GSM/GPRS/EDGE, GPS		
Graphics	Intel HD Graphics 4400 in processor						SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider Select: User selectable, contract required with service provider		
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						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter		
Weight ²	Models	3-cell only	6-cell only	3-cell + 3-cell	3-cell + 6-cell		Ethernet	Non-vPro model: Intel Ethernet Connection I218-V (Clarkville) vPro model: Intel Ethernet Connection I218-LM (Clarkville) 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		NFC			
	MultiTouch	-	-	3.29 lb / 1.49kg	3.64 lb / 1.65kg		Security	Power-on password, hard disk password, supervisor password, security keyhole		
Case material	Glass-Fiber Reinforced Plastic						Security chip	Trusted Platform Module, TCG 1.2-compliant		
Internal battery	Optional: Integrated Li-Ion or Li-Polymer 3-cell (23.5Wh), HW Authentication						vPro (optional)	Intel vPro Technology		
External battery	Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication						Fingerprint reader	Optional: Fingerprint reader on the keyboard bezel, swipe sensor		
Max battery life ¹⁰	Battery configuration	3-cell + 3-cell	3-cell + 6-cell	47.5Wh	3-cell + 6-cell 72Wh		Preload	Win8 / 8.1 DG Win7: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit		
	Battery life	8.7 hr	13.1 hr	17.4 hr			Win8 / 8.1 64: Win8 / 8.1 P64:	Windows 8 / 8.1 64-bit Windows 8 / 8.1 Pro 64-bit		
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

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