ThinkPad X240 Platform Specifications

Positioning
Ultraportable Ultrabook™ or Thinbook; one spindle

Processor
4th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Speed	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

Optical
None

Storage
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

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

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**

Multi-touch
Some: Capacitive-type multi-touch, supports 10-finger gesture

Camera *(optional)*
HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus

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)

Keyboard
6-row, spill-resistant, multimedia Fn keys, optional LED backlight

UltraNav™
TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch

ThinkLight™
None

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

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

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)

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

Bluetooth™
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

Ethernet
Non-vPro model: Intel Ethernet Connection I218-V (Clarkville)
vPro model: Intel Ethernet Connection I218-LM (Clarkville)

NFC
Optional: Near Field Communication

Security
Power-on password, hard disk password, supervisor password, security keyhole

Security chip
Trusted Platform Module, TCG 1.2-compliant

vPro *(optional)*
Intel vPro Technology

Fingerprint reader
Optional: Fingerprint reader on the keyboard bezel, swipe sensor

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 service[24]
- 3-year/1-yr battery limited onsite service, OID (Onsite International Delivery)

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)

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)

Mil-Spec test
MIL-STD-810G military certification

Environment
EPEAT™ Gold; ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant

Model	20AL009N++
Product	X240
Region	WE
Machine Type	20AL
TopSeller	TopSeller
Processor	i7-4600U (2C, 2.1 / 3.3GHz, 4MB, 1600MHz)
vPro	vPro
Graphics	Intel HD Graphics 4400
Memory	8GBx1
Display	12.5" FHD (1920x1080) IPS
Multi-touch	None
Storage	256GB SSD eDrive
Optical	None
WLAN &Bluetooth	Intel 7260 ac + BT4.0
WWAN / M.2 SSD	Ericsson N5321
SIM Card	Selectable
Smart Card Reader / M.2 SSD	None
Camera	720p
Backlit Keyboard	Backlit Keyboard
Fingerprint Reader	Fingerprint Reader
NFC	None
Battery Cells (internal + external)	3-cell (23.5Wh) + 3-cell (23.5Wh)
Power Adapter (watt)	45W
Preload	Windows 8 DG Windows 7 Pro 64
Base Warranty	3-year onsite
Global	No
Ann Date (mm/yy)	12/13

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