ThinkPad X240 Platform Specifications

**Positioning**
- Ultrabook™ or ThinkPad one spindle

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

<table>
<thead>
<tr>
<th>Processor</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory Speed</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>i3-4010U</td>
<td>2</td>
<td>4</td>
<td>1.7 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
</tr>
<tr>
<td>i5-4200U</td>
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<td>4</td>
<td>1.6 GHz</td>
<td>2.6 GHz</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
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<tr>
<td>i5-4210U</td>
<td>4</td>
<td>4</td>
<td>1.7 GHz</td>
<td>2.7 GHz</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
</tr>
<tr>
<td>i7-4500U</td>
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<td>4</td>
<td>1.9 GHz</td>
<td>2.9 GHz</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
</tr>
<tr>
<td>i7-4600U</td>
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<td>4</td>
<td>2.1 GHz</td>
<td>3.3 GHz</td>
<td>4MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
</tr>
</tbody>
</table>

**Memory**
- 8GB max / PC3-12800 1600MHz DDR3L, non-parity, one 204-pin SO-DIMM socket

**Optical Storage**
- None

**M.2 SSD**
- 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: SSDH 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

**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
- Some: Capacitive-type multi-touch, supports 10-finger gesture, full HD720p resolution, wide 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 Fns key, optional LED backlight
- TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch

**ThinkLight™**
- None

**Dimensions**
- 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**
- 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: 2.29 lb / 1.06kg, 3.36 lb / 1.57kg

**Case material**
- Glass-Fiber Reinforced Plastic

**Internal battery**
- Optional: Integrated Li-ion or Li-Polymer 3-cell (23.5Wh), HW Authentication Li-Ion 3-cell (23.5Wh) or 6-cell (47.5Wh or 72Wh), HW Authentication

**Max battery life**
- 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

**Chips**
- 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™**
- 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 upgradeable
  - Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models)
  - Wireless WAN, Ericsson® NS521, 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, bay-as-you-go via credit card, no contract required (WE models)
- User selectable, contract required with service provider

**Bluetooh™**
- 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
- Intel vPro Technology
- Finger print reader

**Limited warranty**
- One of the following, configurable by model:
  - 1-year depot repair service
  - 3-year/1-year battery depot repair service
  - 3-year/1-year battery limited onsite service
  - 3-year/1-year 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
- Norton Pro
- Evernote®
- Skype™
- Microsoft® Office preloaded: purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- Nitro 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