ThinkPad T440s Platform Specifications

### Positioning
Premium Ultrabook™ or ThinkPad; one spindle

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

<table>
<thead>
<tr>
<th>Processor Number</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>5-4200U</td>
<td>2</td>
<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>
</tr>
<tr>
<td>5-4210U</td>
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<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>
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<tr>
<td>5-4300U</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>
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<tr>
<td>7-4500U</td>
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<td>4</td>
<td>2.1 GHz</td>
<td>3.1 GHz</td>
<td>4MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
</tr>
</tbody>
</table>

### Memory
12GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, 4GB memory soldered to system board, one 204-pin SO-DIMM socket

### Optical Storage
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: 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: 14.0" (355mm) HD+ (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio
Some: 14.0" (355mm) FHD (1920x1080), anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, IPS
Multi-touch: Capacitive-type multi-touch, supports 10-finger gesture

### Graphics
Intel HD Graphics 4400 in processor only, or NVIDIA GeForce® GT 730M, PCI Express® x8, 1GB memory, NVIDIA® Optimus™ technology; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports three independent displays; Max external resolution: 1920x1200@60Hz (VGA); 3840x2160@30Hz (DisplayPort via Mini DisplayPort cable on integrated models); 3840x2160@60Hz (DisplayPort via Mini DisplayPort cable on optional models)

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

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

### ThinkLight™
None

### Dimensions
14.0W (WxDxH): 13.0" x 8.9" x 0.81; 331mm x 226mm x 20.65mm
14.0W MultiTouch (WxDxH): 13.0" x 8.9" x 0.90; 331mm x 226mm x 22.94mm

### Weight
Models | Non-MultiTouch | MultiTouch
--- | --- | ---
3-cell + 3-cell | 3.5 lb / 1.6kg | 3.9 lb / 1.77kg
3-cell + 6-cell | 3.9 lb / 1.77kg | 4.2 lb / 1.94kg

### Case material
Display cover: Hybrid carbon-fiber reinforced plastic; Bottom: Magnesium alloy

### Internal battery
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
Models | 3-cell + 3-cell | 3-cell + 6-cell | 6-cell 47.5Wh | 6-cell 72Wh
--- | --- | --- | --- | ---
Integrated | 8.4 hr | 12.6 hr | 16.8 hr
Optimus | 8.3 hr | 12.4 hr | 16.6 hr

### AC adapter
45-watt (integrated models only), 65-watt, or 65-watt Slim 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
Three USB 3.0 (one Always On), VGA, MiniDP, Ethernet (RJ-45), Dock connector

### Audio support
HD Audio, Realtek® ALC3232 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone 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 upgradable
- Wireless WAN, Sierra Wireless EM7355, Qualcomm® QMB2754 4G LTE/HSUPA+/EVD/EGSM/GPRS/EDGE, GPS, M.2 card (US models)
- Wireless WAN, Ericsson® NS321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models)
- Intel 4G LTE/HSUPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)

### SIM card (optional)
One of the following, configurable by model:
- A&Tâ™ 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

### Bluetooth®
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)

### NFC
Optional: Near Field Communication

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

### Security chip vPro (optional)
Trusted Platform Module, TCG 1.2-compliant
Intel vPro Technology

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

### 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
Some: 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 Stage Device
- Adobe® Reader®
- Norton Pro
- Evernote®
- Skype™
- Microsoft® Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

### Environment
EPEAT® Gold (US) or EPEAT Silver (WE); ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant

### Weight
Models: 3-cell + 3-cell 3-cell + 6-cell 47.5Wh 3-cell + 6-cell 72Wh
- 3.5 lb / 1.59kg 3.9 lb / 1.76 4.2 lb / 1.94kg

### Dimensions
14.0W” (355mm)
- 13.0” x 8.9” x 0.81; 331mm x 226mm x 20.65mm
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4-in-1 reader (MMC, SD, SDHC, SDXC)

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### Audio support
HD Audio, Realtek® ALC3232 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

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