ThinkPad T440 Platform Specifications

### Processor

<table>
<thead>
<tr>
<th>Number</th>
<th># of Cores</th>
<th># of Threads</th>
<th>Base Frequency</th>
<th>Max Turbo Frequency</th>
<th>Cache</th>
<th>Memory</th>
<th>Processor</th>
<th>Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-4010U</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>
<td></td>
</tr>
<tr>
<td>3-4030U</td>
<td>2</td>
<td>4</td>
<td>1.9 GHz</td>
<td>-</td>
<td>3MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
<td></td>
</tr>
<tr>
<td>4-4200U</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>
<td></td>
</tr>
<tr>
<td>4-4210U</td>
<td>2</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>
<td></td>
</tr>
<tr>
<td>4-4300U</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>
<td></td>
</tr>
<tr>
<td>7-4500U</td>
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<td>4</td>
<td>1.8 GHz</td>
<td>3 GHz</td>
<td>4MB</td>
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<td>Intel HD graphics 4400</td>
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</tr>
<tr>
<td>7-4600U</td>
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<td>2.1 GHz</td>
<td>3.3 GHz</td>
<td>4MB</td>
<td>DDR3L-1600</td>
<td>Intel HD graphics 4400</td>
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</tr>
</tbody>
</table>

### Memory

- 8GB or 12GB max/4GB PC3-12800 1600Mhz DDR3L, non-parity, Dual-channel capable, 4GB memory soldered to systemboard on selected models, one 204-pin SO-DIMM socket (*for the models with 4GB on-board memory)*

### Optical Storage

- None

### M.2 SSD

- Some: SSD / SATA 6.0Gbps, 2.5" wide, 7mm high, removable, upgradable
- Some: SSD / SATA 6.0Gbps, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™
- Some: SSD with BGB 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: 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 350:1 contrast ratio
- Some: 14.0" (355mm) HD+ (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 400:1 contrast ratio

### Multi-touch Camera

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

### Graphics

- Intel HD Graphics 4400 in processor only, or
- Intel HD Graphics 4400 in processor and NVIDIA GeForce® GT 720M.
- 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: 1920x1200x@60Hz (VGA);
- 3840x2160@30Hz (DisplayPort via Mini DisplayPort cable on integrated models);
- 2560x1600@60Hz (DisplayPort via Mini DisplayPort cable on Optimus models)

### Dimensions

- 14.0W" (WxHxD): 13.35" x 9.15" x 0.83"; 339mm x 232.5mm x 21mm

### Weight

- Models: 3-cell + 3-cell
- Integrated Non-MultiTouch: 3.79 lb / 1.72kg, 4.10 lb / 1.86kg
- Integrated MultiTouch: 4.03 lb / 1.83kg, 4.33 lb / 1.97kg
- Optimus Non-MultiTouch: 3.73 lb / 1.69kg, 4.04 lb / 1.83kg
- Optimus MultiTouch: 3.97 lb / 1.80kg, 4.33 lb / 1.97kg

### 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

### External battery

- Models: 3-cell + 3-cell
- 3-cell + 6-cell 47.5Wh
- 3-cell + 6-cell 72Wh
- Integrated: 6.8hr 12hr 17.2hr
- Optimus: 7.7hr 11.6hr 15.4hr

### AC adapter

- Integrated models: 45-watt AC adapter; Optimus models: 65-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, Mini DisplayPort, Ethernet (RJ-45), Dock connector (integrated models only)

### Audio support

- HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio® v2 / stereo speakers, 1W x 2 / dual array microphone, combo audio/microphone jack

### Keyboard

- 6-row, spill-resistant, multimedia Fn keys, optional LED backlight
- TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch

### ThinkLight™

- 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

### WLAN

- 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/HSPPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models)
  - Wireless WAN, Ericsson™ NS321, 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)

### WWAN

- Optional: 4-in-1 reader (MMC, SD, SDHC, SDXC)
- One of the following, configurable by model:
  - AT&T™ or Verizon® LTE (4G), contract required with provider (US models)
  - Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (US models)
  - User selectable, contract required with service provider

### SIM card

- One of the following, configurable by model:
  - Lenovo SIM, out-of-box service, pay-as-you-go via credit card, no contract required (US models)
  - User selectable, contract required with service provider

### Bluetooth™

- Optional: 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)
- Optional: Near Field Communication

### NFC

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

### Security chip

- 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

### Preload

- Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit
- Lenovo Solution Center
- ThinkVantage Product Recovery
- ThinkVantage System Update
- Lenovo Reach (Windows 8.1 model)
- Lenovo Solution Center
- Lenovo Support
- Lenovo Companion
- ThinkVantage System Update
- Lenovo Reach (Windows 8 model)
- Hightail - Metro (Windows 8.1 model)
- Lenovo Cloud Storage by SugarSync
- 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)

### AC adapter

- Integrated models: 45-watt AC adapter; Optimus models: 65-watt AC adapter

### Mili-Spec test

- MIL-STD-810G military certification

### Environment

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