# ThinkPad T440s Platform Specifications



**Positioning**
*Premium Ultrabook™ or Thinbook; one spindle*

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

| Processor Number | # of Cores | # of Threads | Base Frequency | Max Turbo Frequency | Cache | Memory Speed | Processor Graphics |
|---|---|---|---|---|---|---|---|
| i5-4200U | 2 | 4 | 1.6 GHz | 2.6 GHz | 3MB | DDR3L-1600 | Intel HD graphics 4400 |
| 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**
12GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, 4GB memory soldered to systemboard, 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:* **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**
*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 only, or
**Intel HD Graphics 4400** in processor and **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 optimus 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[3]**
*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[2]**

| *Models* | *3-cell + 3-cell* | *3-cell + 6-cell* |
|---|---|---|
| *Non-MultiTouch* | 3.5 lb / 1.59kg | 3.9 lb / 1.77kg |
| *MultiTouch* | 3.9 lb / 1.76 | 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[10]**

| *Models* | *3-cell + 3-cell* | *3-cell + 6-cell 47.5Wh* | *3-cell + 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[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 / 1.8.1 Pro 64-bit
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Lenovo Cloud Storage by SugarSync
- PC Device Stage
- Adobe® Reader®
- 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 (US) or EPEAT Silver (WE); ENERGY STAR® 6.0; GREENGUARD®; RoHS-compliant

| Model | 20AR006S++ |
| --- | --- |
| Product | T440s |
| Region | WE |
| Machine Type | 20AR |
| TopSeller | No |
| Processor | i5-4300U (2C, 1.9 / 2.9GHz, 3MB, 1600MHz) |
| vPro | vPro |
| Graphics | Intel HD Graphics 4400 |
| Memory (soldered+DIMM) | 4+4GB |
| Display | 14" HD+ (1600x900) |
| Multi-touch | None |
| Storage | 256GB SSD eDrive |
| Optical | None |
| WLAN &Bluetooth | Intel 7260 a/b/g/n + BT4.0 |
| WWAN / M.2 SSD | WWAN upgradable |
| SIM Card | None |
| 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 8.1 DG Windows 7 Pro 64 |
| Base Warranty | 3-year depot |
| Global | Yes |
| Ann Date (mm/yy) | 04/14 |









