## ThinkPad L540 Platform Specifications

### Positioning
Mainstream business performance; two spindles

### Processor
**Intel® Celeron® Processor or 4th Generation Intel Core™ i3 / 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>Cel 2950M</td>
<td>2</td>
<td>4</td>
<td>2.4 GHz</td>
<td>2.5 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>3-4000M</td>
<td>2</td>
<td>4</td>
<td>2.4 GHz</td>
<td>2.5 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>3-4100M</td>
<td>2</td>
<td>4</td>
<td>2.4 GHz</td>
<td>2.5 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4200M</td>
<td>4</td>
<td>8</td>
<td>2.6 GHz</td>
<td>3.1 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4210M</td>
<td>4</td>
<td>8</td>
<td>2.6 GHz</td>
<td>3.2 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4300M</td>
<td>4</td>
<td>8</td>
<td>2.6 GHz</td>
<td>3.3 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4330M</td>
<td>4</td>
<td>8</td>
<td>2.6 GHz</td>
<td>3.5 GHz</td>
<td>3MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4600M</td>
<td>4</td>
<td>8</td>
<td>2.9 GHz</td>
<td>3.6 GHz</td>
<td>4MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4702MQ</td>
<td>4</td>
<td>8</td>
<td>2.2 GHz</td>
<td>3.2 GHz</td>
<td>6MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
<tr>
<td>5-4712MQ</td>
<td>4</td>
<td>8</td>
<td>2.3 GHz</td>
<td>3.3 GHz</td>
<td>6MB</td>
<td>2GB DDR3L-1600</td>
<td>Intel HD Graphics 4600</td>
</tr>
</tbody>
</table>

### Memory
16GB max / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets

### Optical Storage
DVD burner, 9.5mm high, fixed, not removable, tray-in

### M.2 SSD
SATA 6.0 Gbps, 2.5" wide, 7mm high, removable, upgradable

### Widescreen display
Some: 15.6" (396mm) HD, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio

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

### Graphics
Intel HD Graphics 4600 in processor,

### Chipset
Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset

### AC adapter
65-watt AC adapter

### Audio support
HD Audio, Realtek® ALC2323 codec, Dolby® Advanced Audio v2 / stereo speakers, 2W 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 Centrino® Advanced-N 6235, 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, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models)
- Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (WE models)

### Security
- Security chip vPro (optional)
- Fingerprint reader
- Windows 8 / 8.1 64-bit
- Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery
- Cyberlink PowerDVD
- Cyberlink Power2Go
- Cyberlink PowerProducer

### Preload
Windows 8 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit or Windows 10 Pro 64
- Lenovo Solution Center
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- Lenovo Cloud Storage by SugarSync
- PC Device Stage
- Microsoft Office preloaded;
  - purchase a product key to activate
  - Norton™ Internet Security
  - (30 days of virus definitions)
- Cyberlink PowerDVD
- Cyberlink Power2Go
- Cyberlink PowerProducer

### AC adapter
65-watt AC adapter

### Sim card (optional)
One of the following, configurable by model:
- AT&T or Verizon LTE (4G), contract required with service provider (US models)
- User selectable, contract required with service provider

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

### Battery type
Li-Ion 6-cell 48Wh or 56Wh, 9-cell 99.9Wh

### Case material
PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

### Chipset
Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset

### ExpressCard
(opt)One slot (ExpressCard/34, ExpressCard/54)

### Smart card reader
Optional: Smart card reader

### Media reader
4-in-1 reader (MMC, SD, SDHC, SDXC)

### AC adapter
65-watt AC adapter

### McAfee® LiveSafe™
(30-day trial, Win8 and Win10 model)

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