

ThinkPad L440 20AS (Windows 8)

Product Specifications Reference (PSREF)

| Type-model | Processor | Memory | Wide-screen display | Chipset | Graphics | Camera | Storage | M.2 Card WLAN | M.2 Card WWAN/SSD | SIM card | Finger print reader | Smart Card Reader | Battery cells | Preload | Base Warranty (year) | Global | Ann Date (m/y) |
|------------|-----------|--------|---------------------|---------|----------|--------|-----------|---------------|-------------------|----------|---------------------|-------------------|---------------|----------|----------------------|--------|----------------|
| 20AS0003US | i5-4200M | 4GBx1 | 14" HD | HM86 | HD 4600 | 720p | 500G 7200 | 7260 b/g/n | upg | None | None | None | 6(48wh) | Win8 64 | 3-Depot | No | 09/13 |
| 20AS0012US | i5-4200M | 4GBx1 | 14" HD | HM86 | HD 4600 | 720p | 500G 7200 | Intel 6235 | upg | None | None | None | 6(48wh) | Win8 P64 | 3-Depot | Yes | 09/13 |

• For detailed platform specifications, please see [ThinkPad L440 Platform Specifications sheet](#)

| Processor | Intel® Celeron® Processor or 4th Generation Intel Core™ i3 / i5 / i7 Processor | Chipset | Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset | | | | | | | | | | | | |
|--------------------------------|--|---------------------|---|-------------|---------------|--------------------------------|------------------|-----------------|------------------|-------------------------------|---|--------|-------|--------------------------------|---|
| Memory | 16GB max ⁷ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | ExpressCard | <i>HM86 model:</i> One slot (ExpressCard/34, ExpressCard/54) | | | | | | | | | | | | |
| Optical | DVD burner, 9.5mm high, fixed, not removable, tray-in | Smart Card Read | <i>Optional:</i> Smart Card reader | | | | | | | | | | | | |
| SATA disk | <i>Some:</i> SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, APS | Multicard Reader | 4-in-1 reader (MMC, SD, SDHC, SDXC) | | | | | | | | | | | | |
| M.2 SSD | <i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot, exclusive with WWAN card | Ports | One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, ethernet (RJ-45), Dock connector | | | | | | | | | | | | |
| Widescreen display | <i>Some:</i> 14.0" (355mm) HD (1366x768) , 200 nits, 500:1 contrast ratio <i>Some:</i> 14.0" (355mm) HD+ (1600x900) , 250 nits, 500:1 contrast ratio | WLAN ⁴ | <i>TP 11b/g/n:</i> ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card <i>7260 b/g/n:</i> Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card <i>7260 a/b/g/n:</i> Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card <i>7260 ac:</i> Intel Dual Band Wireless-AC 7260, 2x2, Wi-Fi + BT, M.2 Card | | | | | | | | | | | | |
| Camera (optional) | HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus | WWAN (optional) | <i>upg:</i> Wireless WAN upgradable <i>EM7355:</i> Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS | | | | | | | | | | | | |
| Graphics | Intel HD Graphics 4600 in processor | SIM card (optional) | <i>AT&T / Verizon:</i> AT&T® / Verizon® LTE (4G), contract required with service provider <i>select:</i> User selectable, contract required with service provider | | | | | | | | | | | | |
| Keyboard | 6-row, spill-resistant, multimedia Fn keys | Bluetooth™ | Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter | | | | | | | | | | | | |
| UltraNav™ | TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch | Ethernet | <i>HM86 model:</i> Intel Ethernet Connection I217-V (Clarkville) <i>QM87 model:</i> Intel Ethernet Connection I217-LM (Clarkville) | | | | | | | | | | | | |
| ThinkLight™ | None | Security | Power-on password, hard disk password, supervisor password, security keyhole | | | | | | | | | | | | |
| Dimensions ³ | 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm | Security chip | Trusted Platform Module, TCG 1.2-compliant | | | | | | | | | | | | |
| Weight ² | <table border="1"> <thead> <tr> <th>Models</th> <th>6-cell 48Wh</th> <th>6-cell 56Wh</th> <th>9-cell 99.9Wh</th> </tr> </thead> <tbody> <tr> <td><i>Weight</i></td> <td>4.96 lb / 2.25kg</td> <td>5.0 lb / 2.27kg</td> <td>5.36 lb / 2.43kg</td> </tr> </tbody> </table> | Models | 6-cell 48Wh | 6-cell 56Wh | 9-cell 99.9Wh | <i>Weight</i> | 4.96 lb / 2.25kg | 5.0 lb / 2.27kg | 5.36 lb / 2.43kg | vPro & iAMT | vPro and Intel Active Management Technology (iAMT) support on selected models | | | | |
| Models | 6-cell 48Wh | 6-cell 56Wh | 9-cell 99.9Wh | | | | | | | | | | | | |
| <i>Weight</i> | 4.96 lb / 2.25kg | 5.0 lb / 2.27kg | 5.36 lb / 2.43kg | | | | | | | | | | | | |
| Case material | PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic | Fingerprint reader | <i>Optional:</i> Fingerprint reader on the keyboard bezel, swipe sensor | | | | | | | | | | | | |
| Battery - type | Li-Ion 6-cell (48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication | Preload | <i>Win7 P64 DG Win8 / 8.1:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 / 8.1 Pro 64-bit <i>Win8 / 8.1 64:</i> Windows 8 / 8.1 64-bit <i>Win8 / 8.1 P64:</i> Windows 8 / 8.1 Pro 64-bit | | | | | | | | | | | | |
| Battery - life ¹⁰ | <table border="1"> <thead> <tr> <th>Models</th> <th>6-cell 48Wh</th> <th>6-cell 56Wh</th> <th>9-cell 99.9Wh</th> </tr> </thead> <tbody> <tr> <td><i>Win7 (MobileMark® 2007)</i></td> <td>10 hr</td> <td>11 hr</td> <td>21 hr</td> </tr> <tr> <td><i>Win8 (MobileMark 2012)</i></td> <td>6.2 hr</td> <td>7.5 hr</td> <td>13 hr</td> </tr> </tbody> </table> | Models | 6-cell 48Wh | 6-cell 56Wh | 9-cell 99.9Wh | <i>Win7 (MobileMark® 2007)</i> | 10 hr | 11 hr | 21 hr | <i>Win8 (MobileMark 2012)</i> | 6.2 hr | 7.5 hr | 13 hr | Limited warranty ¹² | 1-year - depot / 3-years (1-yr battery) - depot / 3-years (1-year battery) onsite |
| Models | 6-cell 48Wh | 6-cell 56Wh | 9-cell 99.9Wh | | | | | | | | | | | | |
| <i>Win7 (MobileMark® 2007)</i> | 10 hr | 11 hr | 21 hr | | | | | | | | | | | | |
| <i>Win8 (MobileMark 2012)</i> | 6.2 hr | 7.5 hr | 13 hr | | | | | | | | | | | | |
| AC adapter | 65-watt AC adapter | | | | | | | | | | | | | | |
| Audio support | HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack | | | | | | | | | | | | | | |

See footnotes for more detailed information