

ThinkPad L440 20AS

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen 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)
20AS000SUS	i7-4600M	8GBx1	14" HD+	QM87	HD 4600	720p	256G SSD OPAL	Intel 6235	upg	None	Finger	Smart	9	Win7 P64	3-Depot	Yes	09/13
20AS000WUS	i5-4330M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	Intel 6235	upg	None	Finger	Smart	6(48wh)	Win7 P64	3-Depot	Yes	09/13
20AS000XUS	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 b/g/n	upg	None	Finger	None	6(48wh)	Win7 P64	3-Depot	Yes	09/13
20AS000YUS	i5-4330M	4GBx1	14" HD	QM87	HD 4600	720p	128G SSD	Intel 6235	upg	None	Finger	Smart	6(48wh)	Win7 P64	3-Depot	Yes	09/13
20AS0010US	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	128G SSD	7260 b/g/n	upg	None	None	None	6(48wh)	Win7 P64	3-Depot	Yes	09/13
20AS0011US	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 b/g/n	upg	None	None	None	6(48wh)	Win7 P64	3-Depot	Yes	09/13
20AS001NUS	i5-4300M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	7260 ac	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	11/13
20AS002CUS	i3-4000M	4GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 ac	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002DUS	i3-4000M	2GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 ac	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002EUS	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 ac	upg	None	None	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002FUS	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	500G 7200	Intel 6235	upg	None	None	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002GUS	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	128G SSD	Intel 6235	upg	None	None	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002HUS	i5-4200M	4GBx1	14" HD	HM86	HD 4600	720p	128G SSD	Intel 6235	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002JUS	i7-4702MQ	8GBx1	14" HD	HM86	HD 4600	720p	500G 7200	7260 ac	upg	None	Finger	None	9	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002KUS	i7-4702MQ	8GBx1	14" HD	HM86	HD 4600	720p	1T 5400	Intel 6235	upg	None	Finger	None	9	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002LUS	i7-4702MQ	8GBx1	14" HD	HM86	HD 4600	720p	128G SSD	Intel 6235	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002MUS	i7-4702MQ	8GBx1	14" HD+	HM86	HD 4600	720p	128G SSD	Intel 6235	upg	None	Finger	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002NUS	i7-4702MQ	8GBx1	14" HD+	HM86	HD 4600	720p	128G SSD	Intel 6235	upg	None	Finger	None	9	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002SUS	i7-4702MQ	8GBx1	14" HD+	HM86	HD 4600	720p	1T 5400	7260 ac	EM7355	select	Finger	None	9	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002TUS	i7-4702MQ	8GBx1	14" HD+	HM86	HD 4600	720p	256G SSD OPAL	7260 ac	EM7355	select	Finger	None	9	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002UUS	i5-4300M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	Intel 6235	upg	None	None	None	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002VUS	i5-4300M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	Intel 6235	upg	None	Finger	Smart	6(56wh)	Win7 P64 DG Win8	3-Depot	No	09/13
20AS002WUS	i5-4330M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	7260 ac	upg	None	Finger	Smart	6(56wh)	Win7 P64 DG Win8	3-Depot	No	11/13
20AS002XUS	i5-4330M	4GBx1	14" HD	QM87	HD 4600	720p	500G 7200	7260 ac	16GB	None	Finger	Smart	6(56wh)	Win7 P64 DG Win8	3-Depot	No	11/13
20AS002YUS	i5-4330M	4GBx1	14" HD	QM87	HD 4600	720p	128G SSD	7260 ac	upg	None	Finger	Smart	6(56wh)	Win7 P64 DG Win8	3-Depot	No	11/13

* 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	HM86 model: One slot (ExpressCard/34, ExpressCard/54)														
Optical	DVD burner, 9.5mm high, fixed, not removable, tray-in			Smart Card Read	Optional: Smart Card reader														
SATA disk	Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: 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	Some: 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	Some: 14.0" (355mm) HD (1366x768) , 200 nits, 500:1 contrast ratio Some: 14.0" (355mm) HD+ (1600x900) , 250 nits, 500:1 contrast ratio			WLAN ⁴	TP 11b/g/n: ThinkPad 11b/g/n, 2x2, Wi-Fi + BT, M.2 Card 7260 b/g/n: Intel Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 a/b/g/n: Intel Dual Band Wireless-N 7260, 2x2, Wi-Fi + BT, M.2 Card 7260 ac: 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)	upg: Wireless WAN upgradable EM7355: Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS														
Graphics	Intel HD Graphics 4600 in processor			SIM card (optional)	AT&T / Verizon: AT&T® / Verizon® LTE (4G), contract required with service provider select: 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	HM86 model: Intel Ethernet Connection I217-V (Clarkville) QM87 model: 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>Weight</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	Weight	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																
Weight	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	Optional: 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	Win7 P64 DG Win8 / 8.1: Windows® 7 Professional 64 preinstalled through downgrade rights in 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>Win7 (MobileMark® 2007)</td> <td>10 hr</td> <td>11 hr</td> <td>21 hr</td> </tr> <tr> <td>Win8 (MobileMark 2012)</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	Win7 (MobileMark® 2007)	10 hr	11 hr	21 hr	Win8 (MobileMark 2012)	6.2 hr	7.5 hr	13 hr	Win8 / 8.1 64-bit	Windows 8 / 8.1 64-bit		
Models	6-cell 48Wh	6-cell 56Wh	9-cell 99.9Wh																
Win7 (MobileMark® 2007)	10 hr	11 hr	21 hr																
Win8 (MobileMark 2012)	6.2 hr	7.5 hr	13 hr																
AC adapter	65-watt AC adapter			Win8 / 8.1 P64:	Windows 8 / 8.1 Pro 64-bit														
Audio support	HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 / stereo speakers, 2W x 2 / dual array microphone, combo audio/microphone jack			Limited warranty ¹² 1-year - depot / 3-years (1-yr battery) - depot / 3-years (1-year battery) onsite															

See footnotes for more detailed information
US model(s) withdrawn effective October 2013

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