## ThinkPad L440 Platform Specifications

Processor   Robinson   Follow   Follo	Positioning	Mainstream value performance; two spindles						WLAN <sup>4</sup> One of the following, configurable by model:	
Processor   Common Common Country   Co	Processor	· · · · · · · · · · · · · · · · · · ·						1	<ul> <li>ThinkPad 11b/g/n, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 card</li> </ul>
Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card of Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirrieles-M 7260, 22.2 (MF-FI & TC combo adapter, M.2 card Set Intel Dua Band Mirriel		Processor # of # of Page May Turbe Memory Processor					Processor	• Intel Wireless-N 7260, 2x2, Wi-Fi + BT combo adapter, M.2 card	
Intel Discrete   Color   Col					requency	Speed			
Section   Sect			2			1	Intel HD Graphics		
5-4200M			4			DDR3L-1600		, , ,	One of the following, configurable by model (mutually exclusive with M.2 SSD):
International Content of the Computer of the		i5-4200M i5-4210M i5-4300M							<ul> <li>Wireless WAN upgradable</li> <li>Wireless WAN, Sierra Wireless EM7355, Qualcomm® Gobi™ 4G LTE/HSPA+/EVDO/GSM/GPRS/EDGE, GPS, M.2 card (US models)</li> <li>Wireless WAN, Ericsson® N5321, HSPA+ 21Mbps/GSM/GPRS/EDGE, GPS, M.2 card (WE models)</li> <li>Wireless WAN, Sierra Wireless EM7345, Intel 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 card (WE models)</li> </ul>
6-4300M   2.6 GHz   3.5 GHz   M86   4600									
Second   2.8 GHz   3.5 GHz   MIS   2.5 GHz   MIS									
**Wireless WAN, Sterfa Writeless WAN, Sterfa Writeless, Wan, Sterfa Writeless Wan, Sterf									
International Control of the Michael September 1   Market Processor									
International Comments   International Comm									
Memory  16GB max* / PC3-12800 1600MHz DDR3L. ron-partly, dual-channel capable, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Somes MS-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Dyto Dumer, 9 5mm high, two 204-pin SC-DIMM sockets  Somes MS-DIMM sold-of-box service,  Dyto Dumer, 9 5mm high, two did not removable, tupgradable Shock Mounted Hard Drive, Active Protection System's Some: MS-DIMM sold-of-box service, pay-as-you-po via credit card, no contract required With service provider  Bluetooth™ Scomes MS-DIMM sold-of-box service, pay-as-you-po via credit card, no contract required with service provider  Some: MS-DIMM sold-of-box service, pay-as-you-po via credit card, no contract required with service provider  Bluetooth™ Scomes MS-DIMM sold-of-box service, pay-as-you-po via credit card, no contract required with service provider  Some: SSHD with 8GB NaND flash memory  Some: MS-DIMM sold-of-box service, pay-as-you-point service provider  Some: SSHD with 8GB NaND flash memory  Some: MS-DIMM sold-of-box service, pay-as-you-point service provider  Widescreen display  Some: MS-DIMM sold-of-box service, pay-as-you-point service provider  Bluetooth™ Ethernet Connection 1217-V (Clarville)  Socurity Scourity Provider Scourity Scour									• AT&T® or Verizon® LTE (4G), contract required with service provider (US models)
dual-channel capable, two 204-pin SO-DIMM sockets  Optical Storage St								(optional)	
Optical Storage Some: 9.5mm high, fixed, not removable, tray-in Some: 9.5mm high, fixed, not removable, tray-in Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.5 wide, 7mm high, semovable, upgradable Some: 9.50 / SATA, 6.03x, 2.50 wide, 7mm high, semovable, upgradable Some: 9.50 wide, 9.5	Memory							pay-as-you-go via credit card, no contract required (WE models)	
Storage Some: SSD / SATA 6.0Gb/s, 2.5 wide, 7mm high, removable, upgradable, some: MD/ SATA 6.0Gb/s, 2.5 wide, 7mm or 9.5mm high, removable, upgradable, some: MD/ SATA 6.0Gb/s, 2.5 wide, 7mm or 9.5mm high, removable, upgradable, shock Mounted Hard Drive, Active Protection System™ Some: SDD visit 663 MAND flash membra and special spe	<del></del>	<u> </u>							
Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm or 9.5mm high, removable, upgradable, Shock Mounted Hard Drive, Active Protection System™ Some: SS-ID with 8GB NAND flash memory Some: SS-ID with 8GB NAND flash memory Some: Ms. 2 card slot, exclusive with WAN card with some of the strength of	Optical Storage	DVD burner, 9.5mm high, fixed, not removable, tray-in						Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter
M2 SSD  Some: SRD with 8GB NAND flash memory  Widescreen display  Some: M2 Solid State Drive (SSD), via M2 card slot, exclusive with WWAN card  Widescreen display  Some: M2 (355mm) H9 (1365x768) anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio  Some: M1-0 (355mm) H9 (1600x8090), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio  Some: M1-0 (355mm) H9 (1600x8090), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio  Camera (optional)HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  Graphics  Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort, supports dual independent display; Max resolution: 3840x2160 93-09tz (DP via mDP cable); 1920x1200 @ 60Hz (VGA)  WilltaNav™  Keyboard  UltraNav™  Case material  Battery type  Max battery life*  PolyCarbonate/Acrylonitrile-Butacleine-Styrene (PC/ABS) plastic  Lind (48Wh or 56Why) or 9-cell (99 9Wh), HW Authentication  Models  Max battery life*  Models  Max battery life*  Models  Model								Ethernet HM86 model: Intel Ethernet Connection I217-V (Clarkville)	
M.2 SSD Some: M.2 Solid State Drive (SSD), via M.2 card slot, exclusive with WWAN card widescrean display Some: 14.0° (355mm) HD (1368x788), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio 200 nits, 16:9 aspect ratio, 500:1 nits definition, 500:1 nited warranty 200 not the text service 200 nits, 16:9 aspect ratio, 500:1 nited warranty 200 not the text service 200 nits, 16:9 aspect ratio, 500:1 nited warranty 200 not the warranty 200 not the text service 200 nits, 16:9 aspect ratio, 500:1 nited warranty 200 not the warranty 200 not the text service 200 nits, 16:9 aspect ratio, 500:1 nited warranty 200 not the		upgradable, Shock Mounted Hard Drive, Active Protection System™							QM87 model: Intel Ethernet Connection I217-LM (Clarkville)
Widescreen display  Some: 14.0" (355mm) HD (1365x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 5001 contast ratio  Some: 14.0" (355mm) HD + (1000x90), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 5001 contrast ratio  Camera (optional) HD720P resolution, wide view angle, low light sensitive, face tracking, fixed focus  Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports external analogic and mylar surface touchpad, integrated five buttons, multi-touch  None  Meight*  Case material Battery type*  Max battery life*  Max lead-forty/ointrile-Butadiene-Styrene (PC/ABS) plastic Battery type*  Max battery life*  Models 6-cell 48Wh 6-cell 45Wh 9-cell 99.9Wh 11 hr 21 hr 21 hr Models 6-cell 48Wh 6-cell 45Wh 9-cell 99.9Wh 11 hr 21 hr 11 hr 21 hr Models 6-cell 48Wh 6-cell 45Wh 6-cell 56Wh 9-cell 99.9Wh 11 hr 21 hr Nords (169.9Wh), htth Authentication  AC adapter  Chipset  Mobile Intel QM87 (VPro model) or HM86 (Non-VPro model) Express Chipset ExpressCard/54,	M 0 00D								
20 nits, 16:9 aspect ratio, 500.1 contrast ratio   Some: 14.0" (355mm) HD (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500.1 contrast ratio   250 nit			· · · · · · · · · · · · · · · · · · ·						
Some: 14.0" (355mm) HD- (1600x900), anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 500:1 contrast ratio  Camera (optional) HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus  Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports dual independent display; Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Keyboard Hinkelman Max resolution: 340x2160 @30Hz (DP via mDP cable); 1920x1200 @60Hz (VGA)  Windows 7 Professional 64 preinstalled Some: Windows 8 / 8.1 Fto-6t-bit frough downgrade rights in Windows 8 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade rights in Windows 9 / 8.1 Fto-6t-bit frough downgrade r									
250 nits, 16:9 åspect ratio, 500:1 contrast ratio Camera (optional) HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus Graphics  Intel HD Graphics 4600 in processor, supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports dual independent display. Max resolution: 3840x2 160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)  Keyboard UltraNav™ CltrakPoint* pointing device and Mylar surface touchpad, integrated five buttons, multi-touch None Dimensions³  14.00" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight* 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 / 2.48kg  PolyCarbonate/Acryointrile-Butacleine-Styrene (PC/ABS) plastic Lenovo Cloud Storage by SugarSyrc PC Device Stage Microsoft Office preloaded; purchase a product key to activate Norton Internet Security (30 days of virus definitions) Wing (MobileMark* 2012) 10 lb lb   11 lb lb   Wing (MobileMark* 2012) 6.2 lb   7.5 lb lb   13 lb lb   Chipset Models Mo	uispiay								, , ,
Camera (optional) HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	250 nits. 16:9 aspect ratio. 500:1 contrast ratio					0	,		
supports external analog monitor via VGA and digital monitor via Mini DisplayPort; supports dual independent display; Max resolution: 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)  Keyboard UltraNav™  Keyboard TrackPoint* pointing device and Mylar surface touchpad, integrated five buttons, multi-touch None  Dimensions*  Weight*  A.96 lb / 2.25kg 5.0 lb / 2.25kg 5.0 lb / 2.27kg 5.36 lb / 2.43kg  Case material Battery type Max battery life*  Models 6-cell 48Wh 6-cell 56Wh 9-cell 99.9Wh (MobileMark* 2007) 10 hr 11 hr 21 hr (Models Models Mod	Camera (optional) HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus							3-year/1-yr battery depot repair service	
Supports dual independent display:  Max resolution: 3840x2160 @ 30Hz (DP via mDP cable); 1920x1200 @ 60Hz (VGA)  Keyboard UltraNav™ G-row, spill-resistant, multimedia Fn keys TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch None Dimensions³ Models G-cell 48Wh G-cell 56Wh 9-cell 99.9Wh Meight 4.96 lb / 2.25kg 5.0 lb / 2.27kg 5.36 lb / 2.43kg  Case material Battery type Max battery life¹ Models G-cell 48Wh G-cell 56Wh 9-cell 99.9Wh Min/ (MobileMark 2012) 6.2 hr 7.5 hr 13 hr  AC adapter  Chipset Mobile Intel QM87 (VPro model) or HM86 (Non-vPro model) Express Chipset ExpressCard (optional: Smart card reader Ports  Madio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /  Audio support  HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	Graphics	supports external analog monitor via VGA and digital monitor via Mini DisplayPort;							• 3-year/1-yr battery limited onsite service <sup>24</sup>
Max resolution: 3840x2160@30Hz (DP via mDP cable); 1920x1200@60Hz (VGA)									
Keyboard UltraNav™ Grow, spill-resistant, multimedia Fn keys UltraNav™ TrackPoint*p pointing device and Mylar surface touchpad, integrated five buttons, multi-touch None Dimensions³ 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight² 14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm								Preload	through downgrade rights in Some: Windows 8 / 8.1 Pro 64-bit Windows 8 / 8.1 Pro 64-bit or Some: Windows 10 Pro 64
UltraNav™  TrackPoint® pointing device and Mylar surface touchpad, integrated five buttons, multi-touch None  ThinkLight™  Dimensions³  14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight²  Models  Gase material Battery type Max battery life¹¹⁰  AC adapter  AC adapter  AC adapter  AC adapter  Mobile Intel OM87 (VPro model) or HM86 (Non-vPro model) Express Chipset ExpressCard (opt)One slot (ExpressCard/34, ExpressCard/34)  Modio support  Multinavi Mobile Intel OM87 (VPro model) or HM86 (Non-vPro model) Express Chipset ExpressCard (apt)One slot (ExpressCard/34, ExpressCard/34, ExpressCard/34, ExpressCard/54)  Addio support  Multinavi Mobile Intel OM87 (VPro model) or HM86 (Non-vPro model) Express Chipset ExpressCard (apt)One slot (ExpressCard/34, ExpressCard/34)  Addio support  Multinavi Mylin Mobile Intel OM87 (VPro model) or HM86 (Non-vPro model) Express Chipset ExpressCard (apt)One slot (ExpressCard/34, ExpressCard/34)  Addio support  Multinavi Mylin Mylin DisplayPort, Ethernet (RJ-45), Dock connector  Audio support  Mindows 10 Pro 64  • Lenovo Solution Center  • ThinkVantage Product Recovery  • Rescue and Recovery  • Microsoft Office preloaded;  • Microsoft Office preloaded;  • Microsoft Of	Vouboord								
integrated five buttons, multi-touch None  None  14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm Weight²  Models  6-cell 48Wh 6-cell 56Wh 9-cell 99.9Wh Weight 14.96 lb / 2.25kg 5.0 lb / 2.27kg 5.36 lb / 2.43kg  Case material Battery type Max battery life¹  Models  6-cell 48Wh 6-cell 56Wh 9-cell 99.9Wh Mirrosoft® Office preloaded; purchase a product key to activate Norton™ Internet Security (30 days of virus definitions) Cyberlink PowerDVD Cyberlink PowerDVD Cyberlink PowerDVD Cyberlink PowerProducer  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 Media reader Media reader Audio support  Audio support  Audio support  HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /									
Rescue and Recovery™	Olliarvav								
Dimensions³  Weight²  Weight²  Weight²  Case material Battery type  Max battery life¹  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell (99.9Wh), HW Authentication  Models  Gecell 48Wh or 56Wh) or 9-cell 99.9Wh  Win7 (MobileMark² 2007)  10 hr  11 hr  21 hr  Win8 (MobileMark² 2007)  Gecell 48Wh or 56Wh) or 9-cell 99.9Wh  Gecell 56Wh  Gecell 599.9Wh  Gecell 599.9Wh  Gecell 599.9Wh  Gecell 599.9Wh  Ge	ThinkLight™								
Models   6-cell 48Wh   6-cell 56Wh   9-cell 99.9Wh	Dimensions <sup>3</sup> Weight <sup>2</sup>	14.0W" (WxDxH): 13.54" x 9.41" x 1.14-1.35"; 344mm x 239mm x 29.0-34.25mm						<ul> <li>ThinkVantage System Update</li> <li>Lenovo Cloud Storage by SugarSync</li> <li>Microsoft Office preloaded; purchase a product key to activate</li> </ul>	
Case material Battery type Max battery life¹¹  Max battery life¹¹  Max battery life¹¹  Models  Min (MobileMark 2007)  AC adapter  Chipset  ExpressCard (opt) One slot (ExpressCard/34, ExpressCard/54)  Smart card reader Optional:  Smart card reader  Media reader  Media reader  Audio support  Audio support  HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ V2 /   Min (Mobile Mark)  PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic  purchase a product key to activate Norton™ Internet Security (30 days of virus definitions, Win8 w/o i5/i7 and win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5/i7 and Win10 model)  McAfee® LiveSafe™ (30-day trial, Win8 by i5		Models 6-cell 48Wh 6-cell 56Wh 9-cell 99.9Wh							
Battery type Max battery life¹⁰ Max battery life¹⁰ Models		Weight 4.96 lb / 2.25kg 5.0 lb / 2.27kg 5.36 lb / 2.43kg					2.43kg		PC Device Stage     Norton Internet Security
Max battery life¹0  Models  Models  Models  Min7 (MobileMark® 2007)  Min8 (MobileMark 2012)  AC adapter  Chipset  Mobile Intel QM87 (vPro model) or HM86 (Non-vPro model) Express Chipset  ExpressCard (opt)One slot (ExpressCard/34, ExpressCard/54)  Smart card reader  Media reader  Audio support  Audio support  HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	Case material							purchase a product key to activate Win8 w/o i5/i7 model)	
Min7 (MobileMark® 2007)   10 hr   11 hr   21 hr   13 hr   13 hr   15/i7 and Win10 model)   Cyberlink PowerDVD   Cyberlink PowerProducer   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 Optional: Smart card reader A-in-1 reader (MMC, SD, SDHC, SDXC)   One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector   HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /     Audio support   HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	Max battery life <sup>10</sup>								
Win8 (MobileMark 2012) 6.2 hr 7.5 hr 13 hr  AC adapter 65-watt AC adapter  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) One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /									<ul> <li>(30 days of virus definitions)</li> <li>Cyberlink PowerDVD</li> <li>Cyberlink Power2Go</li> </ul> Win8 i5/i7 and Win10 model)
AC adapter  65-watt AC adapter  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 Ports One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support  HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /		(							
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) One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /							13 hr		
ExpressCard (opt)One slot (ExpressCard/34, ExpressCard/54) Smart card reader Optional: Smart card reader Media reader Ports One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /								Mil Specificat	,
Smart card reader Optional: Smart card reader  Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)  Ports One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	ExpressCard (opt)One slot (ExpressCard/34, ExpressCard/54)							<u> </u>	
Media reader Ports One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort, Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /							∟nvironment	EPEAI™ Gold; ENERGY STAR® 6.0; RoHS-compliant	
Ethernet (RJ-45), Dock connector  Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	Media reader	Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC)							
Audio support HD Audio, Realtek® ALC3232 codec, Dolby® Advanced Audio™ v2 /	Ports	One Always On USB 3.0, three USB 2.0, VGA, Mini DisplayPort,							
		, ,						_	
stereo speakers, 2w x 2 / duai array micropnone, combo audio/micropnone jack	Audio support								
		stereo speakers,	2VV X 2 /	duai array m	icropnone, con	nbo audio/mi	cropnone jack		