



Lenovo® ThinkPad X121e



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## ThinkPad® X121e 3045 (Intel) - TopSeller - withdrawn

Type-model	Processor	GHz	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpr		PCIe Mini Card WLAN	PCle Mini Card WWAN	Carrier	Top color	Finger print reader	Blue-		
3045-6XG	i3-2357M	1.30	4GBx1	11.6" HD	0.3M	320G 54	-00 7	TP 11a/b/g/n	WWAN upg		Matte black	None	Blue	6	Pro 64
3045-6WG	i3-2357M	1.30	4GBx1	11.6" HD	0.3M	320G 54	100	TP 11a/b/g/n	WWAN upg		Matte black	None	Blue	6	Prem 64
3045-6UG	i3-2357M	1.30	4GBx1	11.6" HD	0.3M	320G 72	200 I	Intel 1000	Ericsson	selectable	Matte black	None	Blue	6	Pro 64
3045-6TG	i3-2357M	1.30	2GBx1	11.6" HD	0.3M	320G 72	200 I	Intel 1000	WWAN upg		Matte black	None	Blue	6	Pro 64
3045-6SG	i3-2357M	1.30	2GBx1	11.6" HD	0.3M	320G 72	200 I	Intel 1000	WWAN upg		Matte black	None	Blue	6	Prem 64
3045-7AG	i3-2367M	1.40	4GBx1	11.6" HD	0.3M	320G 72	200 I	Intel 1000	WWAN upg		Matte black	None	Blue	6	Pro 64
3045-79G	i3-2367M	1.40	4GBx1	11.6" HD	0.3M	320G 72	200 I	Intel 1000	Ericsson	selectable	Matte black	None	Blue	6	Pro 64
3045-7KG	i3-2367M	1.40	4GBx1	11.6" HD	0.3M	320G 54	-00 7	TP 11a/b/g/n	WWAN upg		Matte black	None	Blue	6	Pro 64
3045-7JG	i3-2367M	1.40	4GBx1	11.6" HD	0.3M	320G 54	-00 I	Intel 1000	Ericsson	selectable	Matte black	None	Blue	6	Pro 64

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
- Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Entry ultraportable for excellent usability and reliability; one spindle  Intel® Core™ i3-2357M processor (dual-core, 1.30GHz, 3MB Cache),  DDR3 memory controller (up to 1333MHz), Hyper-Threading technology Intel Core i3-2367M processor (dual-core, 1.40GHz, 3MB Cache),  DDR3 memory controller (up to 1333MHz), Hyper-Threading technology	Preloaded operating system <sup>20</sup> - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Ready to install applications <sup>14</sup> (only some listed)
Optical SATA disk	None (use optional USB-based optical drive)  Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm, upgradable  Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm, upgradable,  Active Protection System™	<ul> <li>Rescue and Recovery™</li> <li>Access Connections™</li> <li>Fingerprint Software (fingerprint models)</li> <li>ThinkVantage System Update</li> </ul>
Widescreen display Camera	11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator	ThinkVantage System Opdate     ThinkVantage Power Manager     ThinkVantage Toolbox     Norton™ Internet Security 2011
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI port)@60Hz	(30 days of virus definitions)  Preloaded applications¹⁴ (only some listed)  • Adobe® Reader®  • Skype™ for Windows
Keyboard TrackPoint® Touch pad ThinkLight™	Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	Windows Live™ Essentials     Microsoft Office 2010 preloaded; purchase product key to activate
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color Case material  Battery - type Battery - life <sup>10</sup>	11.6W" (WxDxH): 11.4" x 8.2" x 0.93"; 289.6mm x 208mm x 23.5mm 3-cell: from 3.09 lb (1.4kg); 6-cell: from 3.42 lb (1.55kg) Matte black (top) Top: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic; Bottom: Magnesium alloy Lithium Ion 3-cell or 6-cell 3-cell (31.2Whr): up to 4.7 hr; 6-cell (62.4Whr): up to 9.3 hr	
Chipset	Mobile Intel HM65 Express Chipset	1
Multicard reader ExpressCard Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) None Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN <sup>4</sup>	Two PCI Express Mini Card slots  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2  Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
WWAN	Some: Wireless WAN upgradable Some: Wireless WAN, Ericsson® F5521gw Mobile Broadband Module, PCIe Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS	
Carrier Modem Bluetooth™	Some: User selectable, contract required with service provider None Bluetooth 3.0 wireless (requires Bluetooth 3.0 driver support)	
Ethernet	Realtek RTL8111DL Gigabit Network Connection, PHY, PCIé x1	Supports ThinkVantage® technologies
Intel AMT Audio support Security Security chip Fingerprint reader	None High Definition (HD) Audio, Conexant CX20582 codec / stereo speakers, 2 watt x 2 / digital mono microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None	65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service¹7 24 hour x 7 day¹8 toll-free support
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>

See footnotes for more detailed information

WE model(s) announced July 5, October 4, or December 13, 2011 WE model(s) withdrawn effective November 2012

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(G-MV1-1) February 2013

Type-model	Processor	GHz	Memory	Wide- screen display	Camera	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCle Mini Card WWAN	Carrier	Top color	Finger print reader	Blue- tooth	Bat- tery cells	Preload
3045-6RG	i3-2357M	1.30	4GBx1	11.6" HD	0.3M	320G 7200	Intel 1000	WWAN upg	None	Matte black	None	Blue	6	DOS-Lic.
3045-7BG	i3-2367M	1.40	4GBx1	11.6" HD	0.3M	320G 7200	Intel 1000	WWAN upg	None	Matte black	None	Blue	6	DOS-Lic.

• Small and medium business (SMB) model(s), part of the WE TopSeller™ Program

Positioning Processor	Entry ultraportable for excellent usability and reliability; one spindle Intel® Core™ i3-2357M processor (dual-core, 1.30GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Hyper-Threading technology Intel Core i3-2367M processor (dual-core, 1.40GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Hyper-Threading technology	Preloaded operating system <sup>20</sup> - DOS-Lic.				
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets					
Optical SATA disk	None (use optional USB-based optical drive)  Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm, upgradable  Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm, upgradable,  Active Protection System™					
Widescreen display Camera	11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator					
Graphics	Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA)@75Hz; 2560x1600 (HDMI port)@60Hz					
Keyboard TrackPoint® Touch pad ThinkLight™	Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None					
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color Case material  Battery - type Battery - life <sup>10</sup>	11.6W" (WxDxH): 11.4" x 8.2" x 0.93"; 289.6mm x 208mm x 23.5mm 3-cell: from 3.09 lb (1.4kg); 6-cell: from 3.42 lb (1.55kg) Matte black (top) Top: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic; Bottom: Magnesium alloy Lithium Ion 3-cell or 6-cell 3-cell (31.2Whr): up to 4.7 hr; 6-cell (62.4Whr): up to 9.3 hr					
Chipset	Mobile Intel HM65 Express Chipset					
Multicard reader ExpressCard Ports	A-in-1 reader (MMC, SD, SDHC, SDXC) None Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)					
PCIe Mini Card WLAN⁴ WWAN Carrier Modem Bluetooth™ Ethernet Intel AMT	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Wireless WAN upgradable None None Bluetooth 3.0 wireless (requires Bluetooth 3.0 driver support) Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1 None					
Audio support	High Definition (HD) Audio, Conexant CX20582 codec /	Supports ThinkVantage® technologies				
Security Security chip Fingerprint reader	stereo speakers, 2 watt x 2 / digital mono microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant None	65-watt AC Adapter ROHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support				
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>				

See footnotes for more detailed information WE model(s) announced July 5 or October 4, 2011 WE model(s) withdrawn effective November 2012 © Lenovo (G-MV1-2) February 2013

## ThinkPad® X121e 3051 (AMD) - TopSeller - withdrawn

Type-model I	Processo	r GHz	Memory	Wide- screen display		Integrated graphics	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCle Mini Card WWAN	Carrier	Top color	Blue- tooth		Preload
3051-5RG	E-350	1.60	4GBx1	11.6" HD	0.3M	HD 6310	320G 5400	TP 11b/g/n	WWAN upg	None	Matte red	Blue	6	Prem 64
3051-5PG	C-50	1.00	4GBx1	11.6" HD	0.3M	HD 6250	320G 5400	TP 11a/b/g/n	WWAN upg	None	Matte black	Blue	6	Pro 64
3051-5NG	C-50	1.00	2GBx1	11.6" HD	0.3M	HD 6250	320G 5400	TP 11b/g/n	WWAN upg	None	Matte black	Blue	6	Prem 64
3051-62G	E-300	1.30	4GBx1	11.6" HD	0.3M	HD 6310	320G 7200	TP 11a/b/g/n	WWAN upg	None	Matte black	Blue	6	Pro 64
3051-5XG	E-450	1.65	4GBx1	11.6" HD	0.3M	HD 6320	320G 7200	TP 11b/g/n	WWAN upg	None	Matte red	Blue	6	Prem 64
3051-66G	E-450	1.65	4GBx1	11.6" HD	0.3M	HD 6320	320G 5400	TP 11b/g/n	WWAN upg	None	Matte red	Blue	6	Prem 64
3051-65G	E-300	1.30	4GBx1	11.6" HD	0.3M	HD 6310	320G 5400	TP 11a/b/g/n	WWAN upg	None	Matte black	Blue	6	Pro 64

- Small and medium business (SMB) model(s), part of the WE TopSeller™ Program
   Microsoft® Office 2010 Product Key Ready (O10PKR)

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Positioning Processor	Entry ultraportable for excellent usability and reliability; one spindle  AMD Accelerated Processor C-50 with dual-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache  AMD Accelerated Processor E-300 with dual-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache  AMD Accelerated Processor E-350 with dual-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache  AMD Accelerated Processor E-450 with dual-core, virtualization technology, integrated 1333MHz DDR3 memory controller, and 1MB L2 cache	Preloaded operating system <sup>20</sup> - Some: Genuine Windows® 7 Home Premium 64 - Some: Genuine Windows 7 Professional 64  Ready to install applications¹⁴ (only some listed) ■ Rescue and Recovery™ ■ Access Connections™				
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	ThinkVantage System Update     ThinkVantage Power Manager				
Optical SATA disk	None (use optional USB-based optical drive)  Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable  Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable,  Active Protection System™	ThinkVantage Toolbox     Norton™ Internet Security 2011 (30 days of virus definitions)  Preloaded applications¹⁴ (only som				
Widescreen display Camera	11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator	listed)  • Adobe® Reader®  • Skype™ for Windows				
Graphics	Some: AMD Radeon™ HD 6250 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 1920x1200 (VGA); 1920x1200 (HDMI)  Some: AMD Radeon HD 6310 or 6320 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA); 1920x1200 (HDMI)	<ul> <li>Windows Live™ Essentials</li> <li>Microsoft Office 2010 preloaded; purchase product key to activate</li> </ul>				
Keyboard TrackPoint® Touch pad ThinkLight™	Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None					
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color Case material  Battery - type Battery - life <sup>10</sup>	11.6W" (WxDxH): 11.4" x 8.2" x 0.93"; 289.6mm x 208mm x 23.5mm 3-cell: from 3.09 lb (1.4kg); 6-cell: from 3.42 lb (1.55kg) Matte black or Matte red (top) Top: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic; Bottom: Magnesium alloy Lithium lon 3-cell or 6-cell 3-cell (31.2Whr): up to 4.3 hr; 6-cell (62.4Whr): up to 9.4 hr					
Chipset	AMD A50M FCH Chipset					
Multicard reader ExpressCard Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) None Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)					
PCIe Mini Card WLAN <sup>4</sup> WWAN Carrier	Two PCI Express Mini Card slots  Some: 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1  Some: 11a/b/g/n, PCIe Half Mini Card, ThinkPad a/b/g/n, 2x2  Wireless WAN upgradable  None					
Modem Bluetooth™	None Bluetooth 3.0 wireless (requires Bluetooth 3.0 driver support)	Supports ThinkVantage® technologies				
Bluetooth™ Ethernet Audio support	Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1 High Definition (HD) Audio, Conexant CX20582 codec / stereo speakers, 2 watt x 2 / digital mono microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole	65-watt AC Adapter EPEAT™ Gold rating ENERGY STAR® 5.0-compliant				
Security chip Fingerprint reader	None None	ROHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support				
Limited warranty <sup>12</sup>	1-year - depot repair service / service upgrades <sup>22</sup> available	during the warranty period <sup>12</sup>				

See footnotes for more detailed information WE model(s) announced July 5, October 4, or December 13, 2011 WE model(s) withdrawn effective December 2012

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Type-model	Processo	r GHz	Memory	Wide- screen display	Camera	Integrated graphics	Disk SATA GB <sup>®</sup> rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN	Carrier	Top color	Blue- tooth		Preload
3051-5QG	E-350	1.60	4GBx1	11.6" HD	0.3M	HD 6310	320G 7200	TP 11b/g/n	WWAN upg	None	Matte black	Blue	6	DOS-Lic.
3051-5YG	E-450	1.65	4GBx1	11.6" HD	0.3M	HD 6320	320G 7200	TP 11b/g/n	WWAN upg	None	Matte black	Blue	6	DOS-Lic.
3051-67G	E-450	1.65	4GBx1	11.6" HD	0.3M	HD 6320	320G 5400	TP 11b/g/n	WWAN upg	None	Matte black	Blue	6	DOS-Lic.

Small and medium business (SMB) model(s), part of the WE TopSeller™ Program

Positioning Processor	Entry ultraportable for excellent usability and reliability; one spindle  AMD Accelerated Processor E-350 with dual-core, virtualization technology, integrated 1066MHz DDR3 memory controller, and 1MB L2 cache  AMD Accelerated Processor E-450 with dual-core, virtualization technology, integrated 1333MHz DDR3 memory controller, and 1MB L2 cache	Preloaded operating system <sup>20</sup> - DOS-Lic.
Memory	8GB max <sup>7</sup> / PC3-10600 1333MHz DDR3, non-parity, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1066MHz DDR3 memory controller	
Optical SATA disk	None (use optional USB-based optical drive)  Some: Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable  Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, upgradable,  Active Protection System™	
Widescreen display Camera	11.6" (295mm) HD (1366x768) TFT color, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, low light sensitive, LED indicator	
Graphics	AMD Radeon™ HD 6310 or 6320 graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI™ (supporting HDCP to output protected content); supports dual independent display; Maximum external resolution: 2048x1536 (VGA); 1920x1200 (HDMI)	
Keyboard TrackPoint® Touch pad ThinkLight™	Full-size, 6-row, spill-resistant, multimedia Fn keys TrackPoint pointing device, Internet Scroll Bar¹³ UltraNav™, buttonless touchpad below keyboard, multi-touch None	
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color Case material  Battery - type Battery - life <sup>10</sup>	11.6W" (WxDxH): 11.4" x 8.2" x 0.93"; 289.6mm x 208mm x 23.5mm 3-cell: from 3.09 lb (1.4kg); 6-cell: from 3.42 lb (1.55kg) Matte black (top) Top: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic; Bottom: Magnesium alloy Lithium lon 3-cell or 6-cell 3-cell (31.2Whr): up to 4.3 hr; 6-cell (62.4Whr): up to 9.4 hr	
Chipset	AMD A50M FCH Chipset	
Multicard reader ExpressCard Ports	4-in-1 reader (MMC, SD, SDHC, SDXC) None Three USB 2.0 (one powered), external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
PCIe Mini Card WLAN <sup>4</sup> WWAN Carrier Modem	Two PCI Express Mini Card slots 11b/g/n, PCIe Half Mini Card, ThinkPad b/g/n, 1x1 Wireless WAN upgradable None None	
Bluetooth™ Ethernet Audio support	Rolle Bluetooth 3.0 wireless (requires Bluetooth 3.0 driver support) Realtek RTL8111DL Gigabit Network Connection, PHY, PCIe x1 High Definition (HD) Audio, Conexant CX20582 codec / stereo speakers, 2 watt x 2 / digital mono microphone, combo audio/mic jack	Supports ThinkVantage® technologies 65-watt AC Adapter
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole None	ROHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support
	ore detailed information	during the warranty period <sup>12</sup> © Lenove

See footnotes for more detailed information WE model(s) announced July 5 or October 4, 2011, or January 3, 2012 WE model(s) withdrawn effective December 2012

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