



Lenovo® ThinkPad E540



Lenovo ThinkPad E540



Lenovo ThinkPad E540  
with Numeric Keypad



Lenovo ThinkPad E540  
with Touch Screen



Lenovo ThinkPad E540  
with Touch Screen



Lenovo ThinkPad E540  
with Touch Screen

# ThinkPad E540 20C6 (Intel) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20C60058US	i7-4702MQ	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005DUS	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C60057US	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16GB	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005SUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	01/14
20C6005GUS	i7-4702MQ	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6005EUS	i5-4200M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005BUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C60053US	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60054US	i3-4000M	4GBx1	15.6" HD	720p	320G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	01/14
20C6005RUS	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win8 64	01/14
20C6005HUS	i7-4702MQ	8GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6005AUS	i3-4000M	4GBx1	15.6" HD	720p	320G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win8 Pro64	01/14
20C6005CUS	i7-4702MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6005EUS	i5-4200M	4+2GB	15.6" HD	720p	1TB 5400	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005QUS	i5-4200M	4+2GB	15.6" HD	720p	1TB 5400	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 64	01/14
20C60059US	i7-4702MQ	8GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60056US	i5-4200M	4+2GB	15.6" HD	720p	1TB 5400	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005EUS	i7-4702MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6005FUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16GB	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C600DVUS	i5-4200M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 ac + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	05/14
20C600DUUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 ac + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	05/14

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i>  <b>Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), HT technology  <b>Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology  <b>Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4600,</b> DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p>											<p><b>Preloaded operating system<sup>20</sup></b>                      - <i>Some:</i> Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit                      - <i>Some:</i> Windows 8 64-bit                      - <i>Some:</i> Windows 8 Pro 64-bit</p>
Memory	<p>16GB max<sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p>											<p><b>Preloaded applications</b> (only some listed)                      - <b>Windows 7 models</b>                      • Adobe® Reader®                      - <b>Windows 8 models</b>                      • Lenovo Support                      • Lenovo Companion                      • Lenovo Cloud Storage                      - <b>All models</b>                      • ThinkVantage System Update                      • Norton™ Internet Security (30 days of virus definitions)                      • Microsoft Office preloaded; purchase a product key to activate</p>
Optical SATA disk	<p>DVD burner, 9.5mm high, fixed, not removable, tray-in  <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high  <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™</p>											
M.2 SSD	<p><i>Some:</i> M.2 Solid State Drive (SSD), via M.2 Card slot</p>											
Widescreen display	<p><b>15.6"</b> (396mm) <b>HD (1366x768)</b>, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio</p>											
Camera	<p>HD720p resolution, face track, low light sensitive, fixed focus, LED indicator</p>											
Graphics	<p><b>Intel HD Graphics 4600</b> 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</p>											
Keyboard TrackPoint®	<p>6-row, spill-resistant, multimedia Fn keys, numeric keypad</p>											
Touchpad	<p>TrackPoint pointing device, Internet Scroll Bar<sup>13</sup></p>											
ThinkLight™	<p>UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch</p>											
None	<p>None</p>											
Dimensions <sup>3</sup>	<p>15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17";                      377 x 250mm x 26.6-29.6mm                      6-cell: from 5.4 lb (2.46kg)</p>											
Weight <sup>2</sup>	<p>Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</p>											
Case color	<p>Acrylonitrile-Butadiene-Styrene (ABS) plastic</p>											
Case material	<p>Lithium Ion 6-cell</p>											
Battery - type <sup>37</sup>	<p>6-cell (48Whr): up to 6.2 hr</p>											
Battery - life <sup>10</sup>	<p>6-cell (62Whr): up to 7.4 hr</p>											
Chipset	<p><b>Mobile Intel HM87 Express Chipset</b></p>											
ExpressCard	<p>None</p>											
Multicard Reader	<p>4-in-1 reader (MMC, SD, SDHC, SDXC)</p>											
Ports	<p>Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</p>											
PCIe Mini Card	<p>One PCI Express Half Mini Card slot</p>											
PCIe WLAN <sup>4</sup>	<p><i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2  <i>Some:</i> 11ac, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + Bluetooth combo adapter, 2x2</p>											
M.2 Card	<p>One M.2 Card slot for support of SSD</p>											
M.2 WWAN	<p>None</p>											
SIM card	<p>None</p>											
Bluetooth™	<p>Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card</p>											
Ethernet	<p>Realtek® RTL8111GUS Gigabit Network Connection</p>											
Audio support	<p>High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack</p>											
Security	<p>Power-on password, hard disk password, supervisor password, security keyhole</p>											
Security chip	<p>Trusted Platform Module, TCG 1.2-compliant</p>											
Fingerprint reader	<p><i>Some:</i> Fingerprint reader on palm rest, swipe sensor</p>											
Limited warranty <sup>12</sup>	<p><b>1-year</b> - depot repair service / service upgrades<sup>22</sup> available</p>											

See footnotes for more detailed information

# ThinkPad E540 20C6 (Intel) - TopSeller - II

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger-print reader	Bat-tery cells	Bat-tery /Wh	Preload	Ann date (mm/yy)
20C6008TUS	i5-4200M	4+2GB	15.6" HD	720p	1TB 5400	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60096US	i7-4702MQ	8GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6008VUS	i3-4000M	2GBx1	15.6" HD	720p	320G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	01/14
20C60097US	i5-4200M	4+2GB	15.6" HD	720p	1TB 5400	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6008UUS	i5-4200M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6008RUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16GB	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60092US	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	16GB	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6008YUS	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win8 Pro64	01/14
20C60093US	i7-4702MQ	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C6008RUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6008QUS	i7-4702MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6008XUS	i7-4702MQ	8GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60091US	i5-4200M	4GBx1	15.6" HD	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C60090US	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C6008WUS	i3-4000M	4GBx1	15.6" HD	720p	320G 7200	Intel 7260 + BT	None	None	Numpad	Black	None	6	48	Win7 Pro64	01/14
20C6008SUS	i5-4200M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	01/14
20C60095US	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C60094US	i7-4702MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win8 Pro64	01/14
20C600AAUS	i3-4000M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6	48	Win7 Pro64	02/14

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i>  <b>Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), HT technology  <b>Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology  <b>Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4600,</b> DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p>											<p><b>Preloaded operating system<sup>20</sup></b>                      - Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit                      - Some: Windows 8 Pro 64-bit</p>
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											<p><b>Preloaded applications (only some listed)</b>                      - <b>Windows 7 models</b>                      • Adobe® Reader®                      - <b>Windows 8 models</b>                      • Lenovo Support                      • Lenovo Companion                      • Lenovo Cloud Storage                      - <b>All models</b>                      • ThinkVantage System Update                      • Norton™ Internet Security (30 days of virus definitions)                      • Microsoft Office preloaded; purchase a product key to activate</p>
Optical SATA disk	DVD burner, 9.5mm high, fixed, not removable, tray-in Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™											
M.2 SSD	Some: M.2 Solid State Drive (SSD), via M.2 Card slot											
Widescreen display	<b>15.6"</b> (396mm) <b>HD (1366x768)</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio											
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator											
Graphics	<b>Intel HD Graphics 4600</b> 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											
Keyboard TrackPoint®	6-row, spill-resistant, multimedia Fn keys, numeric keypad											
Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar <sup>13</sup> UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch None											
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm 6-cell: from 5.4 lb (2.46kg)											
Weight <sup>2</sup>	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom											
Case color	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type <sup>37</sup>	Lithium Ion 6-cell											
Battery - life <sup>10</sup>	6-cell (48Whr): up to 6.2 hr 6-cell (62Whr): up to 7.4 hr											
Chipset	<b>Mobile Intel HM87 Express Chipset</b>											
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card	One PCI Express Half Mini Card slot											
PCIe WLAN <sup>4</sup>	11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2											
M.2 Card	One M.2 Card slot for support of SSD											
M.2 WWAN	None											
SIM card	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection											
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack											
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Fingerprint reader	Some: Fingerprint reader on palm rest, swipe sensor											
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available											<p>Supports ThinkVantage® technologies</p> <p>65-watt AC adapter                      EPEAT™ Gold rating                      ENERGY STAR® 6.0-compliant                      RoHS-compliant                      International Warranty Service<sup>17</sup>                      24 hour x 7 day<sup>18</sup> toll-free support during the warranty period<sup>12</sup></p>

See footnotes for more detailed information

US model(s) announced January 21, or February 18, 2014

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# ThinkPad E540 20C6 (Intel) - TopSeller - III

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger print reader	Bat-tery cells /Wh	Bat-tery Preload	Ann date (mm/yy)
20C600C9US	i7-4712MQ	8GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win7 Pro64	05/14
20C600C4US	i3-4100M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win7 Pro64	05/14
20C600C5US	i5-4210M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win7 Pro64	05/14
20C600C8US	i5-4210M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	05/14
20C600C7US	i3-4100M	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	05/14
20C600C6US	i7-4712MQ	4GBx1	15.6" HD	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win7 Pro64	05/14

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i>  <b>Intel® Core™ i3-4100M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600</b>,                      DDR3 memory controller (up to 1600MHz), HT technology  <b>Intel Core i5-4210M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4600</b>,                      DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology  <b>Intel Core i7-4712MQ processor (4 cores, 2.30GHz, 6MB cache), Intel HD Graphics 4600</b>,                      DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology</p>											<p><b>Preloaded operating system<sup>20</sup></b>                      - <i>Some:</i> Windows® 7 Professional                      64 preinstalled through downgrade rights in Windows 8 Pro 64-bit                      - <i>Some:</i> Windows 8 Pro 64-bit</p>
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											<p><b>Preloaded applications</b> (only some listed)                      - <b>Windows 7 models</b>                      • Adobe® Reader®                      - <b>Windows 8 models</b>                      • Lenovo Support                      • Lenovo Companion                      • Lenovo Cloud Storage                      - <b>All models</b>                      • ThinkVantage System Update                      • Norton™ Internet Security (30 days of virus definitions)                      • Microsoft Office preloaded; purchase a product key to activate</p>
Optical SATA disk	DVD burner, 9.5mm high, fixed, not removable, tray-in <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™											
M.2 SSD	None											
Widescreen display	<b>15.6"</b> (396mm) <b>HD (1366x768)</b> , anti-glare, LED backlight, 200 nits, 16:9 aspect ratio Camera HD720p resolution, face track, low light sensitive, fixed focus, LED indicator											
Graphics	<b>Intel HD Graphics 4600</b> 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											
Keyboard TrackPoint®	6-row, spill-resistant, multimedia Fn keys, numeric keypad											
Touchpad ThinkLight™	TrackPoint pointing device, Internet Scroll Bar <sup>13</sup> UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch None											
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm											
Weight <sup>2</sup>	6-cell: from 5.4 lb (2.46kg)											
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom											
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic											
Battery - type <sup>37</sup>	Lithium Ion 6-cell											
Battery - life <sup>10</sup>	6-cell (48Whr): up to 6.2 hr 6-cell (62Whr): up to 7.4 hr											
Chipset	<b>Mobile Intel HM87 Express Chipset</b>											
ExpressCard	None											
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)											
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)											
PCIe Mini Card	One PCI Express Half Mini Card slot											
PCIe WLAN <sup>4</sup>	11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2											
M.2 Card	One M.2 Card slot for support of SSD											
M.2 WWAN	None											
SIM card	None											
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card											
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection											
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack											
Security	Power-on password, hard disk password, supervisor password, security keyhole											
Security chip	Trusted Platform Module, TCG 1.2-compliant											
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor											
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available											Supports ThinkVantage® technologies 65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 6.0-compliant RoHS-compliant International Warranty Service <sup>17</sup> 24 hour x 7 day <sup>18</sup> toll-free support during the warranty period <sup>12</sup>

See footnotes for more detailed information



# ThinkPad E540 20C6 (Intel) - TopSeller (MultiTouch)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card WLAN / BT	M.2 Card WWAN /SSD	SIM card	Numeric Keypad	Top color	Finger reader	Bat-tery cells /Wh	Bat-tery Preload	Ann date (mm/yy)
20C6005KUS	i5-4200M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	01/14
20C6005PUS	i7-4702MQ	8GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	01/14
20C6005LUS	i7-4702MQ	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	01/14
20C6005MUS	i5-4200M	4GBx1	15.6" HD Touch	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	01/14
20C6005NUS	i7-4702MQ	8GBx1	15.6" HD Touch	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8 Pro64	01/14
20C6008NUS	i5-4200M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	01/14
20C6008MUS	i5-4200M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	01/14
20C6008LUS	i7-4702MQ	8GBx1	15.6" HD Touch	720p	128G SSD	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	01/14
20C6008JUS	i3-4000M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	01/14
20C6008KUS	i7-4702MQ	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	01/14
20C600BAUS	i5-4200M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 64	03/14
20C600B9US	i3-4000M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 64	03/14
20C600CBUS	i5-4210M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	05/14
20C600CCUS	i3-4100M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	05/14
20C600CAUS	i7-4712MQ	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 Pro64	05/14
20C600DTUS	i5-4210M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 64	05/14
20C600DSUS	i3-4100M	4GBx1	15.6" HD Touch	720p	500G 7200	Intel 7260 + BT	None	None	Numpad	Black	Finger	6 48	Win8.1 64	05/14
Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i>  <b>Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), HT technology  <b>Intel Core i3-4100M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), HT technology  <b>Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology  <b>Intel Core i5-4210M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4600,</b> DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology  <b>Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4600,</b> DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology  <b>Intel Core i7-4712MQ processor (4 cores, 2.30GHz, 6MB cache), Intel HD Graphics 4600,</b> DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology</p>											<p><b>Preloaded operating system<sup>20</sup></b>                      - Some: Windows 8 Pro 64-bit                      - Some: Windows 8.1 64-bit                      - Some: Windows 8.1 Pro 64-bit</p> <p><b>Preloaded applications (only some listed)</b>                      • Lenovo Support                      • Lenovo Companion                      • Lenovo Cloud Storage                      • ThinkVantage System Update                      • Norton™ Internet Security (30 days of virus definitions)                      • Microsoft Office preloaded; purchase a product key to activate</p>		
Memory	16GB max <sup>7</sup> / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets													
Optical SATA disk	DVD burner, 9.5mm high, fixed, not removable, tray-in Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™													
M.2 SSD	None													
Widescreen display	<b>15.6"</b> (396mm) <b>HD (1366x768)</b> , anti-glare, <b>10-point touch screen</b> LED backlight, 200 nits, 16:9 aspect ratio													
Camera	HD720p resolution, face track, low light sensitive, fixed focus, LED indicator													
Graphics	<b>Intel HD Graphics 4600</b> 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													
Keyboard	6-row, spill-resistant, multimedia Fn keys, numeric keypad													
TrackPoint®	TrackPoint pointing device, Internet Scroll Bar <sup>13</sup>													
Touchpad	UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch													
ThinkLight™	None													
Dimensions <sup>3</sup>	15.6W" (WxDxH): 14.84" x 9.84" x 1.05-1.17"; 377 x 250mm x 26.6-29.6mm													
Weight <sup>2</sup>	6-cell: from 5.4 lb (2.46kg)													
Case color	Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom													
Case material	Acrylonitrile-Butadiene-Styrene (ABS) plastic													
Battery - type <sup>37</sup>	Lithium Ion 6-cell													
Battery - life <sup>10</sup>	6-cell (48Whr): up to 6.2 hr                      6-cell (62Whr): up to 7.4 hr													
Chipset	<b>Mobile Intel HM87 Express Chipset</b>													
ExpressCard	None													
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC)													
Ports	Two USB 3.0, one USB 2.0 (powered), OneLink Docking port external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
PCIe Mini Card	One PCI Express Half Mini Card slot													
PCIe WLAN <sup>4</sup>	11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2													
M.2 Card	One M.2 Card slot for support of SSD													
M.2 WWAN	None													
SIM card	None													
Bluetooth™	Bluetooth 4.0 wireless, integrated in selected WLAN PCIe Half Mini Card													
Ethernet	Realtek® RTL8111GUS Gigabit Network Connection													
Audio support	High Definition (HD) Audio, Conexant CX20751-21Z codec / stereo speakers, Dolby Advanced Audio v2 certified / Stereo digital microphone, combo audio/mic jack													
Security	Power-on password, hard disk password, supervisor password, security keyhole													
Security chip	Trusted Platform Module, TCG 1.2-compliant													
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor													
Limited warranty <sup>12</sup>	<b>1-year</b> - depot repair service / service upgrades <sup>22</sup> available													

See footnotes for more detailed information

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