

Positioning Processor	<p><i>Sophisticated design with quality, durability and reliability for SMB customers; two spindles</i></p> <p>Intel® Core™ i3-4000M processor (2 cores, 2.40GHz, 3MB cache), Intel HD Graphics 4600, DDR3 memory controller (up to 1600MHz), HT technology</p> <p>Intel Core i3-4100M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600, DDR3 memory controller (up to 1600MHz), HT technology</p> <p>Intel Core i5-4200M processor (2 cores, 2.50GHz, 3MB cache), Intel HD Graphics 4600, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology</p> <p>Intel Core i5-4210M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4600, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p> <p>Intel Core i7-4702MQ processor (4 cores, 2.20GHz, 6MB cache), Intel HD Graphics 4600, DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology</p> <p>Intel Core i7-4712MQ processor (4 cores, 2.30GHz, 6MB cache), Intel HD Graphics 4600, DDR3L memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology</p>			
	<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - <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 - <i>Some:</i> Windows 8.1 64-bit - <i>Some:</i> Windows 8.1 Pro 64-bit 			
	<p>Preloaded applications (only some listed, exclude No OS models)</p> <ul style="list-style-type: none"> - Windows 7 models <ul style="list-style-type: none"> • Adobe® Reader® - Windows 8 models <ul style="list-style-type: none"> • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage - All models <ul style="list-style-type: none"> • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office preloaded; purchase a product key to activate 			
	<p>Memory</p> <p>16GB max¹ / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p>			
	<p>Optical SATA disk</p> <p>DVD burner, 9.5mm high, fixed, not removable, tray-in</p> <p><i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high</p> <p><i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, Active Protection System™</p>			
	<p>M.2 SSD</p> <p>None</p>			
	<p>Widescreen display</p> <p><i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio</p> <p><i>Some:</i> 14.0" (355mm) HD (1366x768), anti-glare, 10-point touch screen LED backlight, 180 nits, 16:9 aspect ratio</p>			
	<p>Camera</p> <p>HD720p resolution, face track, low light sensitive, fixed focus, LED indicator</p>			
	<p>Graphics</p> <p>Intel HD Graphics 4600 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>			
	<p>Keyboard</p> <p>TrackPoint®</p> <p>Touchpad</p> <p>ThinkLight™</p> <p>6-row, spill-resistant, multimedia Fn keys</p> <p>TrackPoint pointing device, Internet Scroll Bar¹³</p> <p>UltraNav™, wide touchpad below keyboard, integrated five buttons, multi-touch</p> <p>None</p>			
Dimensions ³	<p>14.0W" (WxDxH): 13.54" x 9.41" x 1.17-1.27"; 344 x 239mm x 29.7-32.3mm</p>			
Weight ²	<p>6-cell: from 5.36 lb (2.43kg)</p>			
Case color	<p>Matte black or Matte red (top), trimmed with a thin silver band (side); black bottom</p>			
Case material	<p>Acrylonitrile-Butadiene-Styrene (ABS) plastic</p>			
Battery - type ³⁷	<p>Lithium Ion 6-cell</p>			
Battery - life ¹⁰	<p>6-cell (48Whr): up to 6.3 hr</p> <p>6-cell (62Whr): up to 8.2 hr</p>			
Chipset	<p>Mobile Intel HM87 Express Chipset</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 PCIe Half Mini Card slot</p>			
PCIe WLAN ⁴	<p><i>Some:</i> 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi + Bluetooth combo adapter, 2x2</p> <p><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 ¹²	<p>1-year - depot repair service / service upgrades²² available</p>			
<p>See footnotes for more detailed information</p>				
<p>Supports ThinkVantage® technologies</p> <p>65-watt AC adapter EPEAT™ Gold rating ENERGY STAR® 6.0-compliant RoHS-compliant International Warranty Service¹⁷ 24 hour x 7 day¹⁸ toll-free support during the warranty period¹²</p>				