

ThinkPad®



Lenovo® ThinkPad T410



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ThinkPad Mini Dock Series 3  
433710U

# ThinkPad® T410 2537 (Onsite) - Windows 7

Personal Systems Reference (PSREF)

Type-model	Processor	Max Base GHz	Max turbo (GHz)	Memory (MHz)	Wide-screen display	Camera	Disk SATA GB <sup>8</sup> rpm	PCIe Mini Card 802.11	PCIe Mini Card WWAN	Finger print reader	Battery Intel vPro	Workhorse (W) Global (G) Preload GMP (P)	Avail date
2537-22U	i5-520M	2.40	2.93	2GBx1 1066	14.1" WXGA		320G 7200	Intel 6200 <sup>28</sup>	WWAN upg	Finger 6	vPro Pro 32	G P Jan 10	
2537-25U	i5-540M	2.53	3.06	2GBx2 1066	14.1" WXGA+		320G 7200	Intel 6200	WWAN upg	Finger 6	vPro Pro 32	W G P Jan 10	
2537-27U	i5-540M	2.53	3.06	4GBx1 1333	14.1" WXGA		250G FDE	Intel 6200	WWAN upg	Finger 6	vPro Pro 64	G P Mar 10	
2537-28U	i5-520M	2.40	2.93	2GBx1 1066	14.1" WXGA		250G 5400	Intel 6200	WWAN upg	9	vPro Pro 64	G P Mar 10	
2537-29U	i5-520M	2.40	2.93	2GBx1 1066	14.1" WXGA	2.0M	160G 7200	Intel 6200	WWAN upg	6	vPro Pro 32	G P Apr 10	

- These models are part of the Global Models Plus program with limited onsite service<sup>24</sup> 3-year limited warranty
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Premiere performance; two spindles</i> <b>Intel® Core™ i5 processor i5-520M or i5-540M with dual-core</b> , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology; 3MB cache	<b>Preloaded operating system<sup>20</sup></b> - Some: Genuine Windows® 7 Professional 32 - Some: Genuine Windows 7 Professional 64  <b>Preloaded applications<sup>14</sup></b> (only some listed) • Rescue and Recovery™ • Access Connections™ • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • ThinkVantage Power Manager • ThinkVantage Toolbox • Norton™ Internet Security 2011 (30 days of virus definitions) • Adobe® Reader® • Adobe Flash® Player • Windows Live™ Toolbar • Skype™ for Windows • Microsoft Office 2010 preloaded; purchase product key to activate • Microsoft Research AutoCollage Touch • Roxio® Creator® Business Edition (DVD±RW) • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW)
Memory	<b>2GB or 4GB</b> std / 8GB max <sup>7</sup> / PC3-8500 1066MHz or PC3-10600 1333MHz <b>DDR3</b> , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	
SATA DVD±RW Ultrabay Slim SATA disk	DVD burner, SATA 1.5Gb/s, 9.5mm Ultrabay slim, removable One modular bay for interchangeable devices (right side), 9.5mm high, bottom access <b>160GB<sup>8</sup></b> (7200 rpm), <b>250GB</b> (5400 rpm), <b>320GB</b> (7200 rpm), or <b>250GB</b> (7200 rpm) <b>Full Disk Encryption [FDE]</b> / SATA 3.0Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™	
Widescreen display	<i>Some:</i> <b>14.1"</b> (358mm) <b>WXGA (1280x800) color</b> , anti-glare, <b>LED backlight</b> , 220 nits, 16:10 aspect ratio, 300:1 contrast ratio <i>Some:</i> <b>14.1"</b> (358mm) <b>WXGA+ (1440x900) color</b> , anti-glare, <b>LED backlight</b> , 220 nits, 16:10 aspect ratio, 300:1 contrast ratio	
Camera	<i>Some:</i> camera on top of screen, 2.0-megapixel, fixed focus	
Integrated graphics	<b>Intel HD Graphics</b> in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (DisplayPort)@60Hz; 2048x1536 (VGA)@75Hz; 1920x1200@60Hz (single-link DVI-D via cable 45J7915)	
Keyboard TrackPoint® Touchpad ThinkLight™	89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar <sup>13</sup> , magnifying glass UltraNav™, wide touchpad below keybrd, Tap Zones, scrolling regions label, multi-touch Illuminates the keyboard to improve visibility in low-light conditions	
Dimensions <sup>3</sup> Weight <sup>2</sup> Case color Case material	<b>14.1W" (WxDxH):</b> 13.2" x 9.4" x 1.1–1.3"; 335.5 x 239mm x 27.6–31.9mm <i>6-cell:</i> starting at 5.0 lb (2.27kg); <i>9-cell:</i> starting at 5.35 lb (2.43kg) Black <i>Top:</i> High Elasticity PolyCarbonate (HEPC); <i>Bottom:</i> Carbon-Fiber Reinforced Plastic	
Battery - type Battery - life <sup>10</sup>	Lithium Ion <b>6-cell</b> or <b>9-cell</b> , supports optional Slice battery (57Y4545) as 2nd battery <i>6-cell:</i> up to 6.6 hr; <i>9-cell:</i> up to 11 hr; <i>9-cell plus Slice battery:</i> up to 22 hr	
Chipset ExpressCard/34 Smart Card read Multicard reader Ports	<b>Mobile Intel QM57 Express Chipset</b> One slot (ExpressCard/34) None 5-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC) Four USB 2.0 (one powered), eSATA port, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)	
PCIe Mini Card Intel 6200 <sup>28</sup> WWAN upg Modem Bluetooth™ Ethernet Intel AMT Audio support	Two PCI Express Mini Card slots 11a/b/g/n wireless <sup>4</sup> , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Wireless WAN upgradable 56K V.92 <sup>6</sup> modem Bluetooth 2.1 wireless, LED indicator Intel 82577LM Gigabit Network Connection (Hanksville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20585 codec / stereo speakers, 1 watt x 2 / speaker volume up, down and mute buttons / dual array microphone, mic mute button, combo audio/mic jack	
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant <i>Some:</i> UPEK Fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	
Limited warranty <sup>12</sup>	<b>3-years/1-year battery, limited onsite service<sup>24</sup></b> , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades <sup>22</sup> available	
	Supports ThinkVantage® technologies	
	65-watt AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Gold rating ENERGY STAR® 5.0-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> via 800-426-7378	
	ThinkPlus™.22 4-year LOR <sup>24</sup> 9x5 NBD 45K6038 Post-warranty annual maintenance agreements at <a href="http://lenovo.com/thinkplus/warranty">lenovo.com/thinkplus/warranty</a>	

See footnotes for important warranty information

US model announced April 6, 2010; previous models on January 7 or March 2, 2010

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