

ThinkPad®



Lenovo® ThinkPad R500



T/R/W/SL Series Li-Ion Battery 9-cell
40Y6797



Lenovo ThinkPad R500



Lenovo USB Fingerprint Keyboard
73P4730



Lenovo ThinkPad R500



ThinkPad Essential Port Replicator
250510W

ThinkPad® R500 2714 (TopSeller)

Personal Systems Reference (PSREF)

| Type-model | Proc- essor | GHz | Memory | Wide- screen display | Cam- era | Integrated graphics | Disk SATA GB ⁵ rpm | SATA optical | Mini PCIe 802.11 wireless | Mini PCIe Turbo | Finger print reader | Bat- tery Blue- tooth cells | Whorse (W) Gbl (G) Preload Educ | Avail date |
|------------|----------------|------|--------|----------------------------|-------------|------------------------|-------------------------------------|-----------------|---------------------------------|--------------------|---------------------------|---|--|---------------|
| 2714-96U | T6570 | 2.10 | 2GB | 15.4" WXGA | Cam | GMA | 250G 5400 | DVD±RW | *Intel 5100 ²⁸ | None | Finger | Blue | 6 Ult 32 | Mar 09 |
| 2714-A7U | T6670 | 2.20 | 2GB | 15.4" WXGA | Cam | GMA | 250G 5400 | DVD±RW | 11n ²⁸ | None | Finger | Blue | 6 XP Pro | Jul 09 |

• These small and medium business (SMB) models are part of the US TopSeller™ Program

| | | | | | | | | | | | | | | |
|---|---|---|---------|--|--|--|--|--|--|--|--|--|--|--|
| Positioning | <i>Mainstream business performance; two spindles</i> | | | | | | | | | | Preloaded operating system²⁰ - Some: Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business) - Some: Genuine Windows Vista Ultimate 32 ♦ Vista models: Vista Premium logo Preloaded applications¹⁴ (all OSes) • 96U model: Education software - Microsoft® Office Ultimate 2007 Academic Edition (and CD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Fingerprint Software (fingerprint models) • McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar and Search • A7U model: Microsoft Office 2007 Trial (60-day) • Roxio® Creator® Business Edition • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) | | | |
| Processor | Intel® Core™ 2 Duo processor T6570 or T6670 with dual-core, Intel HD Boost, 800MHz system bus, and 2MB L2 cache | | | | | | | | | | | | | |
| Memory | 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; Non-italics: standard memory in one socket; one socket available | | | | | | | | | | | | | |
| SATA DVD±RW | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) | | | | | | | | | | | | | |
| Ultrabay Enhanced | One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high | | | | | | | | | | | | | |
| SATA disk | 250GB ⁸ (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | | | | | | | | | | | | | |
| Widescreen display | 15.4" (391mm) WXGA (1280x800) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio | | | | | | | | | | | | | |
| Camera | Camera on top of screen, 1.3-megapixel, fixed focus | | | | | | | | | | | | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); Maximum external resolution: 2048x1536@75Hz | | | | | | | | | | | | | |
| Keyboard | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys | | | | | | | | | | | | | |
| TrackPoint® | TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass | | | | | | | | | | | | | |
| Touch pad | UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label | | | | | | | | | | | | | |
| ThinkLight™ | Illuminates the keyboard to improve visibility in low-light conditions | | | | | | | | | | | | | |
| Dimensions ³ | 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm | | | | | | | | | | | | | |
| Weight ² | 6-cell: starting at 6.4 lb (2.93kg) | | | | | | | | | | | | | |
| Case | Color: black; Material: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic | | | | | | | | | | | | | |
| Battery - type | Lithium ion 6-cell, supports unique 2nd battery in Ultrabay Enhanced | | | | | | | | | | | | | |
| Battery - life ¹⁰ | 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr | | | | | | | | | | | | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | | | | | | | | | | | | | |
| ExpressCard/54 | One slot (ExpressCard/34, ExpressCard/54) | | | | | | | | | | | | | |
| PC Card | One slot (Type I, Type II), CardBus 32-bit | | | | | | | | | | | | | |
| Smart Card Read | None | | | | | | | | | | | | | |
| Multicard Reader | 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) | | | | | | | | | | | | | |
| Ports | Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | | | | | | | | | | | | | |
| Mini PCI Express | Two Mini PCI Express slots | | | | | | | | | | | | | |
| Intel 5100 ²⁸ | Some: 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) | | | | | | | | | | | | | |
| 11n ²⁸ | Some: 11b/g/n wireless, Mini-PCIe Adapter II | | | | | | | | | | | | | |
| WWAN | None | | | | | | | | | | | | | |
| 2G Turbo | None | | | | | | | | | | | | | |
| UWB | None | | | | | | | | | | | | | |
| Modem | 56K V.92 ⁶ modem | | | | | | | | | | | | | |
| Bluetooth™ | Bluetooth 2.0 wireless, LED indicator | | | | | | | | | | | | | |
| Ethernet | Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE | | | | | | | | | | | | | |
| Intel AMT | None | | | | | | | | | | | | | |
| Audio support | High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | | | | | | | | | | | | | |
| Security | Power-on password, hard disk password, supervisor password, security keyhole | | | | | | | | | | | | | |
| Security chip | Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant | | | | | | | | | | | | | |
| Fingerprint reader | Fingerprint reader on palm rest, swipe sensor, supports the security chip | | | | | | | | | | | | | |
| Limited warranty ¹² | 1-year - EasyServ™ ¹⁹ depot repair service / service upgrades ²² available | | | | | | | | | | | | | |
| 1GB PC3-8500 DDR3 L-H SODIMM | 55Y3706 | T/R/W/SL Series Li-Ion Battery 6-cell | 40Y6799 | | | | | | | | | | | |
| 2GB PC3-8500 DDR3 L-H SODIMM | 55Y3707 | T/R/W/SL Series Li-Ion Battery 9-cell | 40Y6797 | | | | | | | | | | | |
| Blu-ray Burner Ultrabay Enhanced SATA | 43R9150 | Advanced Ultrabay Battery III | 57Y4536 | | | | | | | | | | | |
| Serial ATA Hard Drive Bay Adapter III | 43N3412 | 90W Slim AC/DC Combo Adapter | 41N8460 | | | | | | | | | | | |
| 64GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) | 43N3400 | ThinkPad Business Topload Case | 43R2476 | | | | | | | | | | | |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) | 43N3411 | ThinkPad Business Backpack | 43R2482 | | | | | | | | | | | |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | T500/R500/W500 15W Privacy Filter | 43R2474 | | | | | | | | | | | |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | ThinkVision® L1940p Wide 19" Monitor | 4424HB6 | | | | | | | | | | | |
| ThinkPad Adjustable Notebook Stand | 40Y7676 | ThinkVision L2240p Wide 22" Monitor | 4422HB6 | | | | | | | | | | | |
| ThinkPad Advanced Dock | 250310U | ThinkVision L2440p Wide 24" Monitor | 4420HB2 | | | | | | | | | | | |
| Other accessories on O-R500 sheet | | Other accessories at lenovo.com/accessories | | | | | | | | | | | | |

See footnotes for important warranty information

* Intel Centrino® processor technology

☞ US model announced July 7, 2009; previous model on March 17, 2009

© Lenovo
(WKK3-6) July 2009

ThinkPad® R500 2717 (TopSeller)

Personal Systems Reference (PSREF)

| Type-model | Proc- essor | GHz | Memory | Wide- screen display | Cam- era | Integrated graphics | Disk SATA GB ³ rpm | SATA optical | Mini PCIe 802.11 wireless | Mini PCIe Turbo | Finger print reader | Bat- tery Blue- tooth cells | Workhorse (W) Global (G) Preload Educ | Avail date |
|------------------|----------------|-----|------------|----------------------------|-------------|------------------------|-------------------------------------|-------------------|---------------------------------|--------------------|---------------------------|---|--|---------------|
| ✗ 2717-5GU P8400 | 2.26 | 2GB | 15.4" WXGA | GMA | 160G 5400 | DVD±RW | ✦ Intel 5100 ²⁸ | None | Finger | Blue | 6 | XP Pro | Aug 08 | |
| 2717-5HU T9400 | 2.53 | 2GB | 15.4" WXGA | Cam | GMA | 160G 7200 | DVD±RW | ✦ Intel 5100 | None | Finger | Blue | 6 | XP Pro | Aug 08 |
| 2717-8VU T6570 | 2.10 | 2GB | 15.4" WXGA | Cam | GMA | 250G 5400 | DVD±RW | ✦ Intel 5100 | None | Finger | Blue | 6 | Ult 32 Educ | Mar 09 |
| 2717-8WU P8600 | 2.40 | 2GB | 15.4" WXGA | GMA | 160G 5400 | DVD±RW | ✦ Intel 5100 | None | Finger | Blue | 6 | XP Pro | Mar 09 | |
| ☞ 2717-A8U T6670 | 2.20 | 3GB | 15.4" WXGA | Cam | GMA | 320G 5400 | DVD±RW | 11n ²⁸ | None | Finger | Blue | 6 | XP Pro | Jul 09 |

- These small and medium business (SMB) models are part of the US TopSeller™ Program
- These models have an EasyServ™,19 depot repair service 3-year limited warranty

| | | | | | | | | | | | | | | |
|---|--|---|--|---------|--|--|--|--|--|--|---|--|--|--|
| Positioning Processor | Mainstream business performance; two spindles Intel® Core™ 2 Duo processor T6570 or T6670 with dual-core, Intel HD Boost, 800MHz system bus, and 2MB L2 cache or Intel® Core™ 2 Duo processor P8400, P8600 or T9400 with dual-core, Intel HD Boost, 1066MHz system bus; P8400/P8600: 3MB L2 cache; T9400: 6MB L2 cache | | | | | | | | | | Preloaded operating system ²⁰ - Some: Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business) - Some: Genuine Windows Vista Ultimate 32 ✦ Vista models: Vista Premium logo | | | |
| Memory | 2GB or 3GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | | | | | | | | | | Preloaded applications ¹⁴ (all OSes) • 8VU model: Education software - Microsoft® Office Ultimate 2007 Academic Edition (and CD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Fingerprint Software (fingerprint models) • McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Microsoft Office 2007 Trial (60-day) • Roxio® Creator® Business Edition • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (DVD±RW) | | | |
| SATA DVD±RW UltraBay Enhanced SATA disk | DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 160GB ⁸ (5400 or 7200 rpm), 250GB (5400 rpm) or 320GB (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | | | | | | | | | | | | | |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color , anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio <i>Some:</i> camera on top of screen, 1.3-megapixel, fixed focus | | | | | | | | | | | | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); <i>Maximum external resolution:</i> 2048x1536@75Hz | | | | | | | | | | | | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | | | | | | | | | | | | | |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | <i>6-cell 15.4W" (WxDxH):</i> 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm <i>6-cell:</i> starting at 6.4 lb (2.93kg) <i>Color:</i> black; <i>Material:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell , supports unique 2nd battery in Ultrabay Enhanced <i>6-cell:</i> up to 4.5 hr; <i>6-cell plus Ultrabay battery:</i> up to 6.0 hr; <i>9-cell:</i> up to 7.1 hr | | | | | | | | | | | | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit | | | | | | | | | | | | | |
| ExpressCard/54 PC Card Smart Card Reader Multicard Reader Ports | None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | | | | | | | | | | | | | |
| Mini PCI Express | Two Mini PCI Express slots <i>Some:</i> 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> 11b/g/n wireless, Mini-PCIe Adapter II | | | | | | | | | | Supports ThinkVantage® technologies | | | |
| Intel 5100 ²⁸ 11n ²⁸ WWAN 2G Turbo UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | None None None None 56K V.92 ⁶ modem <i>Some:</i> Bluetooth 2.0 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | | | | | | | | | | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | | | |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip | | | | | | | | | | | | | |
| Limited warranty ¹² 3-years/1-yr battery - EasyServ™,19 depot repair service / service upgrades ²² available | | | | | | | | | | | | | | |
| 1GB PC3-8500 DDR3 L-H SODIMM | 55Y3706 | T/R/W/SL Series Li-Ion Battery 6-cell | | 40Y6799 | | | | | | | | | | |
| 2GB PC3-8500 DDR3 L-H SODIMM | 55Y3707 | T/R/W/SL Series Li-Ion Battery 9-cell | | 40Y6797 | | | | | | | | | | |
| Blu-ray Burner Ultrabay Enhanced SATA | 43R9150 | Advanced Ultrabay Battery III | | 57Y4536 | | | | | | | | | | |
| Serial ATA Hard Drive Bay Adapter III | 43N3412 | 90W Slim AC/DC Combo Adapter | | 41N8460 | | | | | | | | | | |
| 64GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) | 43N3400 | ThinkPad Business Topload Case | | 43R2476 | | | | | | | | | | |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) | 43N3411 | ThinkPad Business Backpack | | 43R2482 | | | | | | | | | | |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | T500/R500/W500 15W Privacy Filter | | 43R2474 | | | | | | | | | | |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | ThinkVision® L1940p Wide 19" Monitor | | 4424HB6 | | | | | | | | | | |
| ThinkPad Adjustable Notebook Stand | 40Y7676 | ThinkVision L2240p Wide 22" Monitor | | 4422HB6 | | | | | | | | | | |
| ThinkPad Advanced Dock | 250310U | ThinkVision L2440p Wide 24" Monitor | | 4420HB2 | | | | | | | | | | |
| Other accessories on O-R500 sheet | | Other accessories at lenovo.com/accessories | | | | | | | | | | | | |

See footnotes for important warranty information

☞ US model announced July 7, 2009;
previous models on August 5, 2008 or March 24, 2009
✗ US model withdrawn effective June 2009

* Intel Centrino® processor technology
✦ Intel Centrino® 2 processor technology

© Lenovo
(WKK3-1) July 2009

ThinkPlus™,22 3-year LOR²⁴ 9x5 NBD
45K6021
ThinkPlus 4-year LOR 9x5 NBD
45K6022
ThinkPlus 5-year LOR 9x5 NBD
45K6024
ThinkPlus 4-year P&L P/U Depot
45K6023
ThinkPlus 5-year P&L P/U Depot
45K6025
Post-warranty annual maintenance agreements at
lenovo.com/thinkplus/warranty

ThinkPad® R500 2716

Personal Systems Reference (PSREF)

| Type-model | Processor | GHz | Memory | Wide-screen display | Cam- era | Integrated graphics | Disk SATA GB ⁸ rpm | SATA optical | Mini PCIe 802.11 wireless | Mini PCIe Turbo | Finger print reader | Blue-tooth | Battery cells | Workhorse (W) Global (G) Avail date | |
|------------|-----------|------|--------|---------------------|----------|---------------------|-------------------------------|--------------|---------------------------|-----------------|---------------------|------------|---------------|-------------------------------------|------------|
| ☒ 2716-EBU | Cel 575 | 2.00 | 2GB | 15.4" WXGA | Cam | GMA | 160G 5400 | DVD±RW | Intel 5100 ²⁸ | None | Finger | Blue | 9 | Bus 32 | Sep 08 |
| ✗ 2716-3KU | P8400 | 2.26 | 1GB | 15.4" WXGA | | GMA | 80G 5400 | Combo | ✚Intel 5100 | None | Finger | Blue | 6 | Bus 32 | G Aug 08 |
| 2716-3LU | T9400 | 2.53 | 1GB | 15.4" WXGA | | GMA | 160G 5400 | DVD±RW | ✚Intel 5100 | None | Finger | Blue | 6 | Bus 32 | W G Aug 08 |
| 2716-3MU | T9400 | 2.53 | 2GB | 15.4" WXGA | Cam | GMA | 160G 5400 | DVD±RW | ✚Intel 5100 | None | Finger | Blue | 9 | Bus 32 | W G Aug 08 |
| ✗ 2716-6JU | P8400 | 2.26 | 1GB | 15.4" WXGA | | GMA | 80G 5400 | Combo | ✚Intel 5100 | None | Finger | Blue | 6 | XP Pro | G Sep 08 |
| ✗ 2716-6LU | P8400 | 2.26 | 1GB | 15.4" WXGA | | GMA | 80G 5400 | DVD±RW | ✚Intel 5100 | None | Finger | Blue | 6 | XP Pro | G Sep 08 |

• These models have an EasyServ™¹⁹ depot repair service 3-year limited warranty

| | | | |
|---|---|--|---------|
| Positioning Processor | Mainstream business performance; two spindles Intel® Celeron® Processor 575 with single-core, 667MHz system bus, and 1MB L2 cache Intel Core™ 2 Duo processor P8400 or T9400 with dual-core, Intel HD Boost, 1066MHz system bus; P8400: 3MB L2 cache; T9400: 6MB L2 cache | Preloaded operating system ²⁰ - Some: Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business) - Some: Genuine Windows Vista Business 32 ✦ Vista models: Vista Premium logo Preloaded applications ¹⁴ (all OSes) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Fingerprint Software (fingerprint models) • McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Microsoft® Office 2007 Trial (60-day) • Roxio® Creator® Business Edition • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (combo, DVD±RW) | |
| Memory | 1GB or 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available | | |
| SATA Combo SATA DVD±RW Ultrabay Enhanced SATA disk | Some: DVD-ROM/CD-RW, SATA 1.5Gb/s, 12.7mm Ultrabay Enh, removable (43R9148) Some: DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 80GB⁸ (5400 rpm) or 160GB (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | | |
| Widescreen display | 15.4" (391mm) WXGA (1280x800) color , anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio | | |
| Camera | Some: camera on top of screen, 1.3-megapixel, fixed focus | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); <i>Maximum external resolution:</i> 2048x1536 @ 75Hz | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | | |
| Dimensions ³ Weight ² Case | 6-cell 15.4W" (WxDxH): 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm 6-cell: starting at 6.4 lb (2.93kg) Color: black; Material: PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic | | |
| Battery - type Battery - life ¹⁰ | Lithium Ion 6-cell or 9-cell , supports unique 2nd battery in Ultrabay Enhanced 6-cell: up to 4.5 hr; 6-cell plus Ultrabay battery: up to 6.0 hr; 9-cell: up to 7.1 hr | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | | |
| ExpressCard/54 PC Card Smart Card Read Multicard Reader Ports | One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor ¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | | |
| Mini PCI Express Intel 5100 ²⁸ 2G Turbo WWAN UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None 56K V.92 ⁶ modem Some: Bluetooth 2.0 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | | |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Some: Fingerprint reader on palm rest, swipe sensor, supports the security chip | | |
| Limited warranty ¹² | 3-years/1-yr battery - EasyServ™ ¹⁹ depot repair service / service upgrades ²² available | | |
| 1GB PC3-8500 DDR3 L-H SODIMM | 55Y3706 | T/R/W/SL Series Li-Ion Battery 6-cell | 40Y6799 |
| 2GB PC3-8500 DDR3 L-H SODIMM | 55Y3707 | T/R/W/SL Series Li-Ion Battery 9-cell | 40Y6797 |
| Serial ATA Hard Drive Bay Adapter III | 43N3412 | Advanced Ultrabay Battery III | 57Y4536 |
| 320GB Disk SATA 1.5Gb/s (7200 rpm) | 43N3411 | 90W Slim AC/DC Combo Adapter | 41N8460 |
| USB 2.0 Essential Memory Key 32GB | 45K1258 | ThinkPad Business Topload Case | 43R2476 |
| USB 2.0 Ultra Secure Memory Key 8GB | 45J5918 | ThinkPad Business Backpack | 43R2482 |
| USB 2.0 Super Multi-Burner Drive | 41N5565 | ThinkPad Deluxe Expander Case | 43R2478 |
| ThinkPad Adjustable Notebook Stand | 40Y7676 | T500/R500/W500 15W Privacy Filter | 43R2474 |
| ThinkPad Advanced Dock | 250310U | ThinkVision® L2440x Wide 24" Monitor | 4421HB2 |
| Other accessories on O-R500 sheet | | Other accessories at lenovo.com/accessories | |
| | | Supports ThinkVantage® technologies | |
| | | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Silver rating (except Celeron models) ENERGY STAR® 5.0-compliant (except Celeron models) RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | |
| | | ThinkPlus™. ²² 3-year LOR ²⁴ 9x5 NBD 45K6021 | |
| | | ThinkPlus 4-year LOR 9x5 NBD 45K6022 | |
| | | ThinkPlus 5-year LOR 9x5 NBD 45K6024 | |
| | | ThinkPlus 4-year P&L P/U Depot 45K6023 | |
| | | ThinkPlus 5-year P&L P/U Depot 45K6025 | |
| | | Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty | |

See footnotes for important warranty information

✚ Intel Centrino® 2 processor technology

© Lenovo

☒ US model announced September 30, 2008; previous models on August 5 or September 2, 2008

(WKK3-2) September 2008

✗ US models withdrawn effective August 2009

ThinkPad® R500 2718 (Onsite)

Personal Systems Reference (PSREF)

| Type-model | Processor | GHz | Memory | Wide-screen display | Cam-era | Integrated graphics | Disk SATA GB ⁸ rpm | SATA optical | Mini PCIe 802.11 wireless | Mini PCIe Turbo | Finger print reader | Blue-tooth | Battery cells | Preload | Whorse (W) Gbl (G) GMP (P) | Avail date |
|------------|-----------|------|--------|---------------------|---------|---------------------|-------------------------------|--------------|---------------------------|-----------------|---------------------|------------|---------------|---------|----------------------------|------------|
| ✕ 2718-3KU | P8400 | 2.26 | 1GB | 15.4" WXGA | | GMA | 80G 5400 | Combo | ✧Intel 5100 ²⁸ | None | Finger | Blue | 6 | Bus 32 | G P | Aug 08 |
| 2718-3LU | T9400 | 2.53 | 1GB | 15.4" WXGA | | GMA | 160G 5400 | DVD±RW | ✧Intel 5100 | None | Finger | Blue | 6 | Bus 32 | W G P | Aug 08 |
| 2718-3MU | T9400 | 2.53 | 2GB | 15.4" WXGA | Cam | GMA | 160G 5400 | DVD±RW | ✧Intel 5100 | None | Finger | Blue | 9 | Bus 32 | W G P | Aug 08 |
| ✕ 2718-6LU | P8400 | 2.26 | 1GB | 15.4" WXGA | | GMA | 80G 5400 | DVD±RW | ✧Intel 5100 | None | | | 6 | XP Pro | G P | Sep 08 |

• These models are part of the Global Models Plus program with limited onsite service²⁴ 3-year limited warranty

| | | | | | | | | | | | | | | | | |
|--|---|--|--|--|---|--|---|--|--|--|--|--|--|--|--|--|
| Positioning Processor | <i>Mainstream business performance; two spindles</i> Intel® Core™ 2 Duo processor P8400 or T9400 with dual-core, Intel HD Boost, 1066MHz system bus; <i>P8400</i> : 3MB L2 cache; <i>T9400</i> : 6MB L2 cache | | | | | | | | | | Preloaded operating system²⁰ - Some: Genuine Windows® XP Professional (preinstalled via downgrade rights in Windows Vista® Business) - Some: Genuine Windows Vista Business 32 ✧ Vista models: Vista Premium logo | | | | | |
| Memory | 1GB or 2GB std / 4GB max ⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics</i> : standard memory in both sockets; no sockets available; <i>Non-italics</i> : standard memory in one socket; one socket available | | | | | | | | | | Preloaded applications¹⁴ (all OSes) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center • ThinkVantage System Update • Fingerprint Software (fingerprint models) • McAfee VirusScan® Plus with SiteAdvisor™ (30 days of virus definitions) • PC-Doctor™ (diagnostics) • ThinkPad Utilities (Power Manager and Presentation Director) • Adobe® Reader • Windows Live™ Toolbar • Windows Live Search • Microsoft® Office 2007 Trial (60-day) • Roxio® Creator® Business Edition • Roxio MyDVD® (DVD±RW) • Corel® WinDVD® (combo, DVD±RW) | | | | | |
| SATA Combo SATA DVD±RW Ultrabay Enhanced SATA disk | <i>Some</i> : DVD-ROM/CD-RW, SATA 1.5Gb/s, 12.7mm Ultrabay Enh, removable (43R9148) <i>Some</i> : DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 80GB⁸ (5400 rpm) or 160GB (5400 rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™ | | | | | | | | | | | | | | | |
| Widescreen display Camera | 15.4" (391mm) WXGA (1280x800) color , anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio <i>Some</i> : camera on top of screen, 1.3-megapixel, fixed focus | | | | | | | | | | | | | | | |
| Integrated graphics | Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); <i>Maximum external resolution</i> : 2048x1536@75Hz | | | | | | | | | | | | | | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions | | | | | | | | | | | | | | | |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | <i>6-cell 15.4W"</i> (WxDxH): 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm <i>6-cell</i> : starting at 6.4 lb (2.93kg) <i>Color</i> : black; <i>Material</i> : PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell or 9-cell , supports unique 2nd battery in Ultrabay Enhanced <i>6-cell</i> : up to 4.5 hr; <i>6-cell plus Ultrabay battery</i> : up to 6.0 hr; <i>9-cell</i> : up to 7.1 hr | | | | | | | | | | | | | | | |
| Chipset | Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) | | | | | | | | | | | | | | | |
| ExpressCard/54 PC Card Smart Card Read Multicard Reader Ports | One slot (ExpressCard/34, ExpressCard/54) One slot (Type I, Type II), CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard) | | | | | | | | | | | | | | | |
| Mini PCI Express Intel 5100 ²⁸ 2G Turbo WWAN UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None 56K V.92 ⁶ modem <i>Some</i> : Bluetooth 2.0 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack | | | | | | | | | | | | | | | |
| Security Security chip Fingerprint reader | Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant <i>Some</i> : Fingerprint reader on palm rest, swipe sensor, supports the security chip | | | | | | | | | | Supports ThinkVantage® technologies | | | | | |
| Limited warranty ¹² | 3-years/1-year battery, limited onsite service²⁴ , 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades ²² available | | | | | | | | | | 65-watt (GMA graphics) AC adapter ThinkPad Roll Cage (one-piece magnesium frame) EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | | | | | |
| 1GB PC3-8500 DDR3 L-H SODIMM 2GB PC3-8500 DDR3 L-H SODIMM Blu-ray Burner Ultrabay Enhanced SATA Serial ATA Hard Drive Bay Adapter III 64GB SSD SATA 3.0Gb/s 1.8" (2.5" cover) 320GB Disk SATA 1.5Gb/s (7200 rpm) USB 2.0 Essential Memory Key 32GB USB 2.0 Ultra Secure Memory Key 8GB USB 2.0 Super Multi-Burner Drive ThinkPad Adjustable Notebook Stand ThinkPad Advanced Dock Other accessories on O-R500 sheet | 55Y3706 55Y3707 43R9150 43N3412 43N3400 43N3411 45K1258 45J5918 41N5565 40Y7676 250310U | | T/R/W/SL Series Li-Ion Battery 6-cell T/R/W/SL Series Li-Ion Battery 9-cell Advanced Ultrabay Battery III 90W Slim AC/DC Combo Adapter ThinkPad Business Topload Case ThinkPad Business Backpack ThinkPad Deluxe Expander Case T500/R500/W500 15W Privacy Filter ThinkVision® L1940p Wide 19" Monitor ThinkVision L2240p Wide 22" Monitor ThinkVision L2440x Wide 24" Monitor Other accessories at lenovo.com/accessories | | 40Y6799 40Y6797 57Y4536 41N8460 43R2476 43R2482 43R2478 43R2474 4424HB6 4422HB6 4421HB2 | | ThinkPlus™. ²² 4-year LOR 9x5 NBD 45K6038 Post-warranty annual maintenance agreements at lenovo.com/thinkplus/warranty | | | | | | | | | |

See footnotes for important warranty information
US models announced on August 5 or September 2, 2008
✕ US models withdrawn effective August 2009

✧ Intel Centrino® 2 processor technology

© Lenovo
(WKK3-3) September 2008

ThinkPad® R500 2716 (Education) - EasyServ

Personal Systems Reference (PSREF)

| Type-model | Processor | GHz | Memory | Wide-screen display | Camera | Integrated graphics | Disk SATA GB ⁹ rpm | SATA optical | Mini PCIe 802.11 wireless | Mini PCIe Turbo | Finger print reader | Blue-tooth | Battery cells | Workhorse (W) Global (G) Avail date |
|------------|-----------|------|--------|---------------------|--------|---------------------|-------------------------------|--------------------------|---------------------------|-----------------|---------------------|------------|---------------|-------------------------------------|
| ✕ 2716-ECU | Cel 575 | 2.00 | 1GB | 15.4" WXGA | Cam | GMA 80G | 5400 Combo | Intel 5100 ²⁸ | None | Finger | Blue | 6 | Bus 32 | No Sep 08 |
| ✕ 2716-5PU | P8400 | 2.26 | 1GB | 15.4" WXGA | Cam | GMA 80G | 5400 Combo | ✧ Intel 5100 | None | Finger | Blue | 6 | Bus 32 | No Aug 08 |
| 2716-5QU | T9400 | 2.53 | 2GB | 15.4" WXGA | Cam | GMA 160G | 5400 DVD±RW | ✧ Intel 5100 | None | Finger | Blue | 6 | Bus 32 | No Aug 08 |
| 2716-8SU | P8600 | 2.40 | 2GB | 15.4" WXGA | Cam | GMA 160G | 7200 DVD±RW | ✧ Intel 5100 | None | Finger | Blue | 6 | Ult 32 | No Feb 09 |
| ☞ 2716-8YU | Cel T1600 | 1.66 | 1GB | 15.4" WXGA | Cam | GMA 160G | 5400 Combo | Intel 5100 | None | Finger | Blue | 6 | Bus 32 | No Mar 09 |
| ☞ 2716-8ZU | P8700 | 2.53 | 2GB | 15.4" WXGA | Cam | GMA 250G | 5400 DVD±RW | ✧ Intel 5100 | None | Finger | Blue | 6 | Bus 32 | No Mar 09 |

- **These models have an EasyServ™¹⁹ depot repair service 3-year limited warranty**
- Educational models are available only to public or private K-12 or higher accredited schools organized and operated exclusively for educational purposes for use by qualified students and teachers.
- Microsoft® Office Ultimate 2007 Academic Edition: Only valid for sale to students, faculty and staff of accredited educational institutions in the United States.

| | | | | | | | | | | | | |
|--|---|--|--|--|---|--|--|--|--|--|--|--|
| Positioning Processor | <p><i>Mainstream business performance; two spindles</i> Intel® Celeron® Processor 575 with single-core, 667MHz system bus, and 1MB L2 cache or Intel Celeron Processor T1600 with dual-core, 667MHz system bus, and 1MB L2 cache or Intel Core™ 2 Duo processor P8400, P8600, P8700, or T9400 with dual-core, Intel HD Boost, 1066MHz system bus; P8400/P8600/P8700: 3MB L2 cache; T9400: 6MB L2 cache</p> | | | | | | | | <p>Preloaded operating system²⁰ - <i>Some:</i> Genuine Windows® Vista® Business 32 - <i>Some:</i> Genuine Windows Vista Ultimate 32 ✧ Vista Premium logo Preloaded applications¹⁴ (all OSes; only some listed) • 8SU model: Education software - Microsoft® Office Ultimate 2007 Academic Edition (and CD) • ECU/5PU/5QU models: Education software - Microsoft Office OneNote® 2007 (and CD) - VitalSource Library College Edition - Adobe® Instructor Resource Cntr - Adobe Digital School Collection - Photoshop Elements (and CD) - Premiere Elements (and DVD) - Acrobat 8 Professional - Contribute 4 • 8YU/8ZU models: Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Memory | <p>1GB or 2GB std / 4GB max⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available; <i>Non-italics:</i> standard memory in one socket; one socket available</p> | | | | | | | | <p>Education software - Microsoft Office OneNote® 2007 (and CD) - VitalSource Library College Edition - Adobe® Instructor Resource Cntr - Adobe Digital School Collection - Photoshop Elements (and CD) - Premiere Elements (and DVD) - Acrobat 8 Professional - Contribute 4 • 8YU/8ZU models: Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| SATA Combo SATA DVD±RW Ultrabay Enhanced SATA disk | <p><i>Some:</i> DVD-ROM/CD-RW, SATA 1.5Gb/s, 12.7mm Ultrabay Enh, removable (43R9148) <i>Some:</i> DVD burner, SATA 1.5Gb/s, 12.7mm Ultrabay Enhanced, removable (43R9149) One bay for removable devices, Ultrabay Slim-compatible, 12.7mm high 80GB⁹ (5400 rpm), 160GB (5400 or 7200 rpm), or 250GB (5400rpm) / SATA 1.5Gb/s, 2.5" wide, 9.5mm high, removable, upgradable, supports 2nd disk, ThinkPad Shock Mounted Hard Drive, Active Protection System™</p> | | | | | | | | <p>Education software - Microsoft Office OneNote® 2007 (and CD) - VitalSource Library College Edition - Adobe® Instructor Resource Cntr - Adobe Digital School Collection - Photoshop Elements (and CD) - Premiere Elements (and DVD) - Acrobat 8 Professional - Contribute 4 • 8YU/8ZU models: Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Widescreen display Camera | <p>15.4" (391mm) WXGA (1280x800) color, anti-glare, CCFL backlight, 200 nits, 16:10 aspect ratio, 300:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Integrated graphics | <p>Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); <i>Maximum external resolution: 2048x1536@75Hz</i></p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Keyboard TrackPoint® Touch pad ThinkLight™ | <p>89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar¹³, magnifying glass UltraNav™, wide touch pad below keyboard, Tap Zones, scrolling regions label Illuminates the keyboard to improve visibility in low-light conditions</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Dimensions ³ Weight ² Case Battery - type Battery - life ¹⁰ | <p><i>6-cell 15.4W" (WxDxH):</i> 14.1" x 10.2" x 1.4–1.5"; 358.6mm x 260mm x 36–39mm <i>6-cell:</i> starting at 6.4 lb (2.93kg) <i>Color:</i> black; <i>Material:</i> PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell, supports unique 2nd battery in Ultrabay Enhanced <i>6-cell:</i> up to 4.5 hr; <i>6-cell plus Ultrabay battery:</i> up to 6.0 hr; <i>9-cell:</i> up to 7.1 hr</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Chipset | <p>Mobile Intel GM45 Express Chipset (Graphics Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, PCI 2.3, security chip, ethernet MAC), LPC bus (WPCN385 Super I/O) One ExpressCard/34 or ExpressCard/54</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| ExpressCard slot PC Card Std slot Smart Card Read Multicard Reader Ports | <p>One Type I or Type II slot, CardBus 32-bit None 7-in-1 reader (MMC, Memory Stick, Mem Stick Pro, SD, SDHC, XD, XD Type H) Three USB 2.0, external monitor¹¹ (VGA DB-15, DisplayPort), modem (RJ-11), ethernet (RJ-45), IEEE 1394 FireWire 400 (4-pin connector; 1394a-2000 standard)</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Mini PCI Express Intel 5100 ²⁸ 2G Turbo WWAN UWB Modem Bluetooth™ Ethernet Intel AMT Audio support | <p>Two Mini PCI Express slots 11a/b/g/n wireless⁴, Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None None 56K V.92⁶ modem Bluetooth 2.0 wireless, LED indicator Gigabit ethernet, Broadcom® BCM5787M (MAC/PHY), PCIe x1, PXE None High Definition (HD) Audio, Conexant CX20561 codec / stereo speakers, 1 watt / volume up, down, mute buttons / digital microphone, microphone input jack, headphone jack</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Security Security chip Finger print reader | <p>Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, integrated in ICH9M, TCG 1.2-compliant Fingerprint reader on palm rest, swipe sensor, supports the security chip</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| Limited warranty ¹² | <p>3-years/1-yr battery - EasyServ™¹⁹ depot repair service / service upgrades²² available</p> | | | | | | | | <p>Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | |
| 1GB PC3-8500 DDR3 L-H SODIMM 2GB PC3-8500 DDR3 L-H SODIMM Blu-ray Burner Ultrabay Enhanced SATA Serial ATA Hard Drive Bay Adapter III 320GB Disk SATA 1.5Gb/s (7200 rpm) Other accessories on O-R500 sheet | <p>55Y3706 55Y3707 43R9150 43N3412 43N3411</p> | | <p>USB 2.0 Ultra Secure Memory Key 8GB 45J5918 USB 2.0 Super Multi-Burner Drive 41N5565 ThinkPad Adjustable Notebook Stand 40Y7676 ThinkPad Advanced Dock 250310U T/R/W/SL Series Li-Ion Battery 9-cell 40Y6797 Other accessories at lenovo.com/accessories</p> | | <p>Education software - Microsoft Office OneNote® 2007 (and CD) - VitalSource Library College Edition - Adobe® Instructor Resource Cntr - Adobe Digital School Collection - Photoshop Elements (and CD) - Premiere Elements (and DVD) - Acrobat 8 Professional - Contribute 4 • 8YU/8ZU models: Education software - Microsoft Office OneNote 2007 (and CD) - Adobe Digital School Collection - Instructor Resources (and DVD) - Learning Creative Suite 4 (DVD) - Photoshop Elements 7 (DVD) - Premiere Elements 7 (and DVD) - Acrobat 9 Professional (DVD) - Contribute CS4 (and DVD) - Soundbooth CS4 (and DVD) • Rescue and Recovery™ • Access Connections™ • Client Security Solution™ • ThinkVantage Productivity Center</p> | | | | | | | |

See footnotes for important warranty information

✧ Intel Centrino® 2 processor technology

© Lenovo

☞ US models announced March 24, 2009; previous models on August 5, September 30, 2008 or February 17, 2009

(WKK3-4) April 2009

✕ US models withdrawn effective August 2009