

THINKPAD R52 NOTEBOOKS

Mainstream performance and features



HIGHLIGHTS

The Integrated Fingerprint Reader and ThinkVantage™ Client Security Solution on select models combine to create the strongest PC security available. No other manufacturer offers stronger security as a standard feature.

Just 34mm (1.35") thin¹ with a travel weight² of 2.6kg (5.8 lb)

Exceptional performance with new Intel® processor and chipset. Select models available with the new Intel Graphics Media Accelerator 900.

Accelerated 3D graphics performance and rich visual experience with ATI Mobility™ Radeon® X300 32MB or ATI Mobility™ Radeon® X300 64MB (select models).

ThinkVantage Active Protection System provides the hard disk drive up to 4 times greater impact protection than in notebooks without it.

ThinkVantage Rescue and Recovery™ software helps users recover system images by themselves.

For everyone in the office

Introduce your organization to the affordable ThinkPad® R52 notebook with Intel Centrino™ Mobile Technology (select models). Certain models feature advanced graphics capabilities.

Select ThinkPad R52 notebooks feature an Integrated Fingerprint Reader. By combining the fingerprint reader with Client Security Solution, users can authenticate with unique fingerprints instead of copious passwords. Plus, administrators can implement strong security policies and help users more easily meet password requirements. Security software is preloaded for more out-of-the-box convenience.

To help decrease expenses, look inside for ThinkVantage Technologies and ThinkVantage Design elements. You'll see how to work more confidently and efficiently—and gain more time to focus on strategic goals.

THINKVANTAGE TECHNOLOGIES AND DESIGN

Support your mobile workforce with select wireless ThinkPad R52 notebooks and ThinkVantage Access Connections software. It's the easiest way to switch between wired and wireless networks.

Deploy the most secure wireless notebooks in the industry with the Integrated Fingerprint Reader and Client Security Solution. It offers built-in hardware and downloadable software-based protection. No other manufacturer offers stronger PC security as a standard feature.

Improve signal reception with the ThinkPad UltraConnect™ Antenna. To maximize range, this antenna is built into the display of ThinkPad R52 notebooks. Plus, it supports multiple frequencies for optimal coverage³.

Point and click two ways with the ThinkPad UltraNav™ multi-pointing system. It features touchpad technology and the celebrated TrackPoint® pointing device.

Put online⁴ and on-system information at your employees' fingertips with the Blue button. Just push for answers to common IT questions.

Give your help desk a break.

ThinkVantage Rescue and Recovery software is preloaded on ThinkPad R52 notebooks. This one-button solution lets users restore system images themselves in the event of a software crash—often without calling the help desk.

Increase hard disk drive protection. When compared to a notebook cover alone, the ThinkPad HDD Shock Absorber increases hard disk drive protection by 30%⁵. This technology is now combined with the Active Protection System for even greater protection.



ThinkPad R52 notebook.

THE ULTIMATE SECURITY AT YOUR FINGERTIPS

"The increased focus on system security for regulatory purposes leads us to predict that today's PC password standards will no longer be accepted in 2008," according to "Treat Passwords as Ineffective on PCs," in the November 2004 *Gartner Research Note*. The report goes on to recommend that organizations requiring strong data protection should consider, among other things, trusted platform module (TPM)–enabled systems like select ThinkPad R52 notebooks and, for systems subject to Sarbanes-Oxley controls, tokens or biometrics, like fingerprints.



SERVICE IN SÃO TOMÉ? SURE.

Rely on award-winning Service and Support. Choose a ThinkPad R52 notebook. With just a few clicks, workers can enjoy a wealth of on-system and online resources. Plus, they'll have support in more than 160 countries⁶ worldwide, from São Tomé to Sri Lanka.

ThinkPad R52 notebook specifications:

	Machine types 1846, 1847, 1848, 1850, 1870	Machine types 1858, 1859, 1860, 1861, 1862, 1863, 1958
Processor (Processor speed, Technology, Level 2 cache)	Intel® Centrino™ Mobile Technology (select models) - Intel Pentium® M Processor 780 (2.26GHz, 2MB L2, 533MHz), Intel Pentium M Processor 770 (2.13GHz, 2MB L2, 533MHz), Intel Pentium M Processor 760 (2GHz, 2MB L2, 533MHz), Intel Pentium M Processor 750 (1.86GHz, 2MB L2, 533MHz) or Intel Pentium M Processor 740 (1.73GHz, 2MB L2, 533MHz)	Intel Centrino Mobile Technology (select models) - Intel Pentium M Processor 780 (2.26GHz, 2MB L2, 533MHz), Intel Pentium M Processor 770 (2.13GHz, 2MB L2, 533MHz), Intel Pentium M Processor 760 (2GHz, 2MB L2, 533MHz), Intel Pentium M Processor 750 (1.86GHz, 2MB L2, 533MHz) or Intel Pentium M Processor 740 (1.73GHz, 2MB L2, 533MHz) Intel Celeron® M Processor 380 (1.60GHz, 1MB L2, 400MHz), Intel Celeron M Processor 370 (1.50GHz, 1MB L2, 400MHz) or Intel Celeron M Processor 360 (1.40GHz, 1MB L2, 400MHz)
Preloaded operating system⁹	Microsoft® Windows® XP Professional or Microsoft Windows XP Home Edition	Microsoft Windows XP Professional or Microsoft Windows XP Home Edition
Display/resolution	14.1" TFT XGA/1024x768, 15" TFT XGA/1024x768 or 15" SXGA+ (1400 x 1050)	14.1" TFT XGA/1024x768 or 15" TFT XGA/1024x768 or 15" SXGA+ (1400 x 1050)
Hard disk drive	40GB ⁹ or 80GB 4200rpm, 40GB, 60GB, 80GB or 100GB 5400rpm	40GB or 80GB 4200rpm, 40GB, 60GB, 80GB or 100GB 5400rpm
Memory (std¹⁰/max¹¹)	256, 512MB or 1024MB/2GB PC2–4200 DDR2 533MHz SDRAM	256, 512MB or 1024MB/2GB PC2–4200 DDR2 533MHz SDRAM
Optical drive	DVD-RW, CD-RW/DVD Combo, Multi-burner DVD recordable, 8X Max ¹² DVD or 24X Max CD	DVD-RW, CD-RW/DVD Combo, Multi-burner DVD recordable, 8X Max DVD, or 24X Max CD
Video graphics	ATI Mobility™ Radeon® X300 32MB or ATI Mobility™ Radeon® X300 64MB	Intel® Graphics Media Accelerator 900
Integrated communications	Modem, Gigabit Ethernet ThinkPad 11a/b/g II ¹³ (select models) Intel PRO/Wireless 2200BG Network Connection 802.11b/g (select models) Bluetooth™ ¹⁴ (select models)	Modem, Gigabit Ethernet ThinkPad 11a/b/g II (select models) Intel PRO/Wireless 2200BG Network Connection 802.11b/g (select models) Bluetooth (select models)
Li-Ion battery life¹⁵	up to 3.8hr (6-cell), up to 5.8hr (9-cell)	up to 3.8hr (6-cell), up to 5.8hr (9-cell)
With optional extended-life battery	up to 7.8hr	up to 7.8hr
Ports	Infrared, 2 USB 2.0; parallel; S-video out; dock/port replicator; external display; AC adapter; RJ-11, RJ-45; audio: headphone, external microphone, IEEE 1394 (select models)	
Slots	1 Type II PC Card and 1 Type II ExpressCard/54 Slot	1 Type II PC Card and 1 Type II ExpressCard/54 Slot
Client Security Solution	yes	yes
Keyboard	Ergonomic keyboard with palm rest, ThinkPad® UltraNav™ multipointing system including TrackPoint® pointing device with "Press-to-Select", Internet Scroll Bar ⁴ , intuitive volume and Access program	
Dimensions¹	14": 314 x 260 x 34mm (12.4 x 10.2 x 1.35") or 15": 332 x 269 x 37mm (13.1 x 10.6 x 1.46")	14": 314 x 260 x 34mm (12.4 x 10.2 x 1.35") or 15": 332 x 269 x 37mm (13.1 x 10.6 x 1.46")
Travel weight²/with optical drive	14": starting at 2.6kg (5.8 lb)/2.8kg (6.1 lb) 15": starting at 2.8kg (6.2 lb)/3.0kg (6.6 lb)	14": starting at 2.6kg (5.8 lb)/2.8kg (6.1 lb) 15": starting at 2.8kg (6.2 lb)/3.0kg (6.6 lb)
Port replicator/dock support	yes/yes	yes/yes
Limited warranty¹⁶	3yr or 1yr/1yr battery	3yr or 1yr/1yr battery

For important warranty information, see page 4.

ThinkPad R52 notebook software:

Preloaded operating systems	Microsoft Windows XP Professional or Microsoft Windows XP Home Edition	
Supported operating systems¹⁷	Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, Microsoft Windows 2000 Professional	
Included software¹⁸ (preloaded)	Access Program Access Connections™ Adobe Reader InterVideo WinDVD (CD-RW/DVD, DVD-RW or DVD models only) InterVideo WinDVD Creator (DVD-RW model only) Norton AntiVirus 2005 with 90 days of virus definitions	PC-Doctor RecordNOW and DLA powered by Sonic products (DVD-RW or CD-RW/ DVD models only) Rescue and Recovery™ ThinkPad Utilities ThinkVantage Fingerprint Software (Integrated Fingerprint Reader Systems only)
(downloadable)	Client Security Software IBM Director Agent	Software Delivery Assistant System Migration Assistant
(license—CD not included)	Lotus® SmartSuite®	Lotus Notes® Stand-alone Client
Certified operating systems	For a listing of completed Linux certifications, visit lenovo.com/think/linux	

ENHANCE PERFORMANCE.

ThinkPad Port Replicator II

74P6733



Quickly connect ThinkPad notebooks
to key peripherals with one easy step.



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Availability: All offers subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time without notice. Lenovo is not responsible for photographic or typographic errors.

Warranty Information: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC 27709, Attn: Dept. UF2AB203. Lenovo makes no representation or warranty regarding third-party products or services.

Footnotes:

[1] Thinness: may vary at certain points on the system.

[2] Weight: includes battery and optional travel bezel instead of standard optical drive in Ultrabay drive bay, if applicable; weight may vary due to vendor components, manufacturing process and options.

[3] Wireless capability: requires compatible wireless-enabled options, sold separately.

[4] Internet access not included.

[5] Claim based on Lenovo tilt-drop operating tests.

[6] International Warranty Service: available for most models in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.

[7] Mobile Processors: Power management reduces processor speed when in battery mode.

[8] Delivered with Microsoft Windows XP preloaded and a Recovery Partition on the hard disk drive.

[9] Hard drive: GB=billion bytes. Accessible capacity is less; up to 4GB is service partition.

[10] Memory: For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 64MB less than the amount stated, depending on video mode.

[11] Maximum capacity: may require the replacement of standard component with largest supported component available.

[12] CD/DVD drive speeds: list maximum rates; rates are variable and are often less than the maximum.

[13] Wireless 11a, 11b and 11g wireless: is based on IEEE 802.11a, 802.11b and 802.11g, respectively. An adapter with 11a/b, 11b/g or 11a/b/g can communicate on either/any or any of these listed formats respectively; the actual connection will be based on the access point to which it connects.

[14] The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Lenovo is under license.

[15] Battery: These model numbers achieved Battery Runtime Time of at least the time shown during testing. A description of the testing is available at lenovo.com/pc/ww/thinkpad/batterylife. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

[16] Limited warranty: Support unrelated to a warranty issue may be subject to additional charges.

[17] Operating system: Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to lenovo.com/pc/support and enter your machine type and model number for more information.

[18] Included Software: may differ from its retail version (if available) and may not include user manuals or all program functionality. License agreements may apply.

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Energy Star: As an Energy Star Partner, Lenovo has determined that this product meets the Energy Star guidelines for energy efficiency.

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