IBM

IBM ThinkPad T Series notebooks

**IBM recommends Microsoft®
Windows® XP Professional
for Business.**

Go. Go. Go.

Introduce your on-the-go staff to new ThinkPad T42 notebooks with Intel Centrino Mobile Technology (select models). They're thin, light and can go unplugged for hours. Certain models feature 11b/g wireless technology. All include generous TFT displays – now available in 15".

Help – without the help desk

Meet IBM Rescue and Recovery with Rapid Restore software. It's preloaded on all ThinkPad T42 notebooks. With this enhanced, one-button solution, employees can diagnose problems and restore systems in as little as 20 minutes – often without calling the help desk.

Business advantage. It's in here.

To help decrease expenses, look inside for IBM 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.
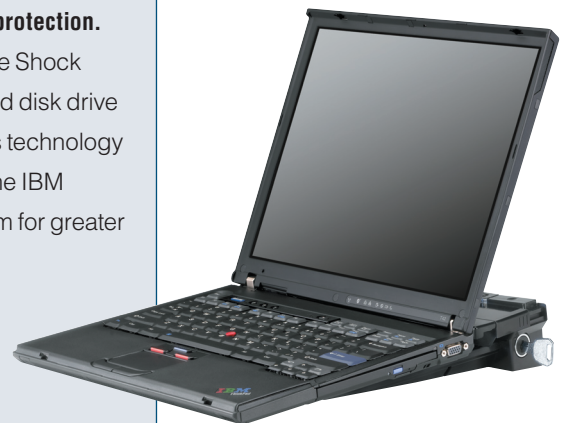
Highlights

- *Count on excellent wireless performance and extended battery life with Intel® Centrino Mobile Technology (select models)*

- *Keep carry-ons light. Certain models feature 14.1" TFT displays and start at about 26.6mm[1] with a travel weight of 2.05kg[2]*

- NEW! *See the big picture. New T42 models with 15" TFT displays start at 31mm thin and a travel weight of 2.4kg (select models)*

- *Enjoy all-day computing, up to 7.5 hours[3], with the optional high capacity battery and the optional ThinkPad Ultrabay Slim Li Polymer battery*

- NEW! *Help yourself. IBM Rescue and Recovery with Rapid Restore software helps users recover systems by themselves (T42 models)*

- NEW! *Stretch your investment dollar with integrated 11b/g[4] wireless technology on select models. It supports some of the latest industry standards and is backwards compatible with 11b technology.*

Go to **ibm.com**/pc/europe/thinkpad
to locate an IBM reseller or for more information.

Get the edge: IBM ThinkVantage Technologies and Designs

- **Support your mobile workforce** with select wireless ThinkPad T Series notebooks and IBM 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 IBM Embedded Security Subsystem 2.0. It offers a double layer of built-in hardware and downloadable software-based protection. No other manufacturer offers stronger security as a standard feature.

- **Improve signal reception** with the IBM UltraConnect Antenna. To maximise range, this antenna is built into the display of selected ThinkPad notebooks. Plus, it supports multiple frequencies to optimise coverage and performance[5].

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

- **Put online[6] and on-system information at your employees' fingertips** with Access IBM. With the push of a button, staff can gain answers to common IT questions .

- **Help guard data against damage from drops and bumps.** The IBM Active Protection System features built-in motion sensors. When a fall is detected, this innovation provides the hard disk drive up to four times greater impact protection than in notebooks without it. That makes it less likely data on your hard disk drive will be lost because of some bumps or drops.

- **Increase hard disk drive protection.** The IBM Hard Disk Drive Shock Absorber increases hard disk drive protection by 30%[7]. This technology is now combined with the IBM Active Protection System for greater protection.

". . . if an average corporation were to apply best operational practices and IBM's ThinkVantage Technologies as defined today, these customers would potentially see reduced ongoing operating costs greater than the cost of new PC or notebook computer hardware itself."

– Aaron Goldberg,
  Vice-President, Ziff-Davis Market Experts

IBM ThinkPad T42 notebook shown, with optional IBM ThinkPad Dock II.

Wireless security made easy.

CISCO Compatible

Control wireless access and strengthen network security with select ThinkPad T Series notebooks that support Cisco Compatible Extensions. You'll get a PC that's tested to run at the highest levels of performance in a secure, Cisco wireless environment. That includes wireless network password protection and dynamic encryption capabilities available only to users connected to Cisco Aironet wireless networks.

The IBM ThinkPad T42 notebook has been tested in accordance with interoperability criteria set by Cisco Systems, Inc. and is compatible with Cisco Aironet access points running software versions 12.01, 12.02, 12.03, 12.2(8)JA, or 12.2(11)JA. For full disclaimer, see IBM ThinkPad T42 notebook product documentation or the following Web site: **ibm.com**/pc/europe/thinkpad.

Service in São Tomé? Sure.

Rely on award-winning IBM Service and Support. Choose an IBM ThinkPad 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 countries[8] worldwide, from São Tomé to Saskatchewan.

IBM ThinkPad T Series specifications

	Models T42 or T41, Machine type 2373
Processor (Processor speed, Level 2 Cache, FSB)	Intel Centrino Mobile Technology (select models) • Intel Pentium® M Processor 745 (1.8GHz[9], 2MB L2, 400MHz), Intel Pentium M Processor 735 (1.7GHz, 2MB L2, 400MHz) or Intel Pentium M Processor to 1.7GHz
Preloaded operating system[10]	Microsoft Windows XP Professional
Display/Resolution	15" TFT SXGA+/1400x1050 or 15" TFT XGA/1024x768 (select T42 models) 14.1" TFT SXGA+/1400x1050 or 14.1" TFT XGA/1024x768
Hard disk drive	30GB[11] (4200rpm), 40GB (5400rpm) or 80GB (5400rpm)
Memory (std[12]/max[13])	256MB, 512MB or 1GB/2GB PC2700 DDR SDRAM
Optical drive	CD-RW/DVD Combo or 8X Max[14] DVD
Video graphics	ATI MOBILITY RADEON 7500 32MB DDR 4X AGP or ATI MOBILITY RADEON 9600 64MB DDR 4X AGP
Integrated communications	Modem; Gigabit Ethernet IBM 11b/g Wi-Fi wireless[4] (select models) IBM 11a/b/g Wi-Fi wireless (select models) Intel PRO/Wireless 2200BG Network Connection 802.11b (select models) Intel PRO/Wireless Network Connection 802.11b (select models) Cisco Aironet 802.11b (select models) Bluetooth[15] (select models)
Li-Ion battery life[3]	15": up to 4.9hrs (standard 6-cell), 14.1": up to 5.0hrs (optional 6-cell) 15": up to 7.0hrs (optional 9-cell), 14.1": up to 7.5hrs (optional 9-cell)
With optional high capacity and UltraBay Slim batteries	15": up to 6.9hrs (6-cell), 14.1": up to 7.5hrs (6-cell) 15": up to 9.0hrs (9-cell), 14.1": up to 9.5hrs (9-cell)
Ports	2 USB 2.0; parallel; S-video out; Infrared; dock/port replicator; external display; AC adapter; RJ-11; RJ-45; audio: headphone/line-out, external microphone
Slots	2 Type II or 1 Type III PC Card
IBM Active Protection System	Yes
IBM Embedded Security Subsystem 2.0	Yes
Keyboard	Ergonomic keyboard with palm rest, IBM ThinkPad UltraNav multipointing system including TrackPoint pointing device with 'Press-to-Select', Internet Scroll Bar[6]; intuitive volume and Access IBM
Dimensions[1]	15": 329x268x31-36mm 14.1": 311x255x26.6mm
Travel weight/with optical drive[2]	15": starting at 2.4kg/2.6kg, 14.1": starting at 2.05kg/2.22kg
Port replicator/Dock support	Yes/yes
Limited warranty[16]	3 years/1 year battery

For important warranty information, see page 4. Wireless models not available in all European countries.

IBM recommends Microsoft Windows XP Professional for Business.

IBM ThinkPad T Series software

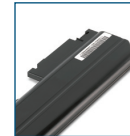|	
Supported operating systems[17]	Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, Microsoft Windows 2000 Professional, Microsoft Windows 98 Gold, Microsoft Windows 98 Second Edition, Microsoft Windows NT® 4.0 SP6a, OS/2 Warp Convenience Package, Red Hat Enterprise Linux WS 3.0, SuSE Linux Desktop 1.0[18]
Included software[19] (preloaded)	• Access IBM • Access Connections • Adobe Acrobat Reader • IBM RecordNOW and IBM DLA powered by Sonic products (CD-RW/DVD models) • IBM Rescue and Recovery with Rapid Restore (T42 models) • IBM Rapid Restore Ultra (T41 models) • InterVideo WinDVD Creator (DVD-RW models) • Norton AntiVirus 2004 • PC-Doctor • ThinkPad Utilities • Update Connector[20]
(downloadable)	• IBM Client Security Software (Embedded Security Subsystem models only) • IBM Director Agent • Software Delivery Assistant • System Migration Assistant
(licence – *CD not included*)	• Lotus SmartSuite Millennium • Lotus Notes Stand-alone Client

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

[2] Includes battery and optional travel bezel, instead of standard optical drive in Ultrabay Slim; weight may vary due to vendor components, manufacturing process and options.

[3] These model numbers achieved the Ziff Davis Media Inc.'s Business Winstone 2002 BatteryMarkTM Version 1.0, Battery Rundown Time of at least the time shown. This test was performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. ('VeriTest') nor Ziff Davis Media Inc.; neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to these test results. Winstone is a registered trademark and BatteryMark is a trademark of Ziff Davis Publishing Holdings Inc., in the US and other countries. A description of the environment under which the test was performed is available at **ibm.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. Refer to **ibm.com**/pc /support and enter your machine type and model number for more information.

[4] 11a, 11b and 11g wireless are based on IEEE 802.11a, 802.11b and 802.11g, respectively. An adapter with 11a/b, or 11a/b/g can communicate on any of its supported formats; the actual connection will be based on the access point to which it connects.

[5] Requires wireless-enabled options, sold separately.

[6] Requires separate Internet access account, not included.

[7] Claim based on IBM operating tilt-drop test.

[8] International Warranty Service is available 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.

[9] Mobile Intel Pentium Processors feature Intel SpeedStep. With Intel SpeedStep, processor speed may be reduced to conserve battery power.

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

[11] For hard disk drive, GB equals one thousand million bytes. Accessible capacity is less; up to 4GB is service partition.

[12] 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.

[13] Maximum memory and hard disk drive capacity may require the replacement of standard component with largest supported component available.

[14] CD and DVD drives list maximum rates; rates are variable and are often less than the maximum possible.

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

[16] Support unrelated to warranty issues may be subject to additional charges.

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

[18] Linux certification reports can be found at http://www-306.ibm.com/pc/support/site.wss/MIGR-48NT8D.html

[19] Some software may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.

[20] Update Connector is available at no charge to registered ThinkPad customers during the limited warranty period. Line charges may apply.

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