



Unleash yourself

Wireless technology for a better e-xperience

Your work. Your life. Your ThinkPad notebook.

Connect to the world in style with this sleek, attractive and tough family of notebooks, optimized for connectivity with or without wires. The ThinkPad® family is the most award-winning line of mobile computers: more than 725 since its introduction. Their industry-leading design incorporates strong, lightweight Titanium Composite* covers and the unique UltraPort connector* on top of the display—the perfect location for several options. Innovations like the Ultrabay™ 2000* easy-loading modular drive bay and ThinkLight™,* keyboard light make ThinkPad notebooks easy to use and easy to own. With a range of notebooks to choose from, you're sure to find the perfect solution for you—whether you're the world's largest corporation or the world's hardest working individual. Plus, rely on what PC World calls "impressive reliability and matching service," (*Reliability and Service Survey*, January 2001) available to you 24 hours a day¹, at the touch of a button.

**Select models*



802.11b wireless technology gives you the freedom to connect just about anywhere.

Communicate unrestrained

With integrated, Wi-Fi-certified, 802.11b wireless technology on select ThinkPad T, A and i Series notebooks, you can free yourself and extend your business local area network (LAN). Rather than being tied to a network cable connection, you can move your ThinkPad notebook freely throughout an access point-equipped facility and remain connected. As wireless networks become more available in airports, hotels and other public facilities, you will be able to enjoy the same high-speed wireless connections in and out of your office. View the IBM Wireless Webcast at ibm.com/thinkpad/webcast or visit ibm.com/pc/wireless for more information.

Whatever your needs, wherever you are—mobile wireless solutions from IBM

At home

An IBM High Rate Wireless LAN Gateway connected to a DSL or cable modem provides shared, wireless access to a single Internet connection throughout most homes. Visit ibm.com/ options for more information.



IBM High Rate Wireless LAN Gateway



ThinkPad A Series notebook

■ In front of the TV, in the kitchen, even in bed—a wireless network at home lets you connect throughout the house.

At the office or on campus

Connected to existing network infrastructure, the IBM High Rate Wireless LAN Access Point 500 supports network connectivity for multiple 802.11b wireless-enabled devices within a radius up to 300 feet². Overlapping these areas by using multiple access points provides wireless connectivity throughout your entire office.



IBM High Rate Wireless LAN Access Point 500



ThinkPad T Series notebook

■ Stay connected even away from your desk with a wireless network at work.

On the road

Wayport and MobileStar remote wireless networks in airports, hotels and convention centers get travelers connected quickly and easily using their ThinkPad notebooks with integrated 802.11b wireless technology or the IBM High Rate Wireless LAN PC Card 128. Those traveling outside the reach of these networks can connect using a mobile phone equipped with Bluetooth™ short-range wireless technology or a Novatel wireless modem shown with WorkPad PC companion.



ThinkPad X Series notebook



IBM High Rate Wireless LAN PC Card 128



Bluetooth PC Card from IBM



Novatel wireless modem shown with WorkPad PC companion

■ Make flight reservations from the lobby with a wireless network at your hotel.

A range of solutions tailored to your needs

ThinkPad T Series—

At the office, on the road and everywhere in between

With integrated 802.11b wireless technology, select ThinkPad T23 notebooks are the perfect balance of performance and portability to keep you connected at any access point-equipped facility—whether it's your office, the airport or your hotel.

ThinkPad A Series—

Take it with you

Need flexibility? ThinkPad A22m desktop alternative notebooks with integrated 802.11b wireless technology make the power of your desktop portable, so you can take work with you.

ThinkPad i Series—

Affordable connectivity

Integrated 802.11b wireless technology on select ThinkPad i Series notebooks is the ideal wireless communications solution for budget-minded businesses, educational institutions, students and individuals seeking wireless connectivity at an affordable price. Connect onsite or on campus, or add an IBM High Rate Wireless LAN Gateway to your home to support multiple computers, throughout the home, using one broadband Internet connection.

ThinkPad X Series—

Mostly away from the office

Constantly on the go? The IBM High Rate Wireless LAN PC Card 128 on an extra-light, extra-small ultraportable ThinkPad X Series notebook makes a wireless solution that's as easy to carry as it is to use.

ThinkPad TransNote™—

write it down

Take notes? Create sketches? Fill out forms? The new ThinkPad TransNote combines a mobile computer with a digital notepad to integrate paper-based information into the digital workspace. Add the IBM High Rate Wireless LAN PC Card 128 and you can share your ink wirelessly over the Internet.

Wi-Fi certified



The Wi-Fi logo applied to IBM 802.11b wireless products is the symbol of wireless LAN interoperability as certified by the Wireless Ethernet Compatibility Alliance (WECA). A non-profit organization, WECA was formed to promote global wireless LAN standardization.



IBM Access Connections (for ThinkPad T23 models with both Microsoft® Windows® 2000 and 802.11b wireless) simplifies management of multiple connectivity environments. In the office, at home, or on the road, it helps switch between connection options to make connecting easy.

Wireless options for every one

The optional IBM High Rate Wireless LAN Access Point 500 bridges 802.11b-enabled ThinkPad notebooks (either integrated or via IBM High Rate Wireless LAN PC Card 128) to existing LAN infrastructures for connectivity almost anywhere.

The right wireless solution for you

Scenario	Recommended ThinkPad notebook	Infrastructure
Office	ThinkPad T23 notebook with integrated 802.11b wireless technology	IBM High Rate Wireless LAN Access Point 500 connected to corporate network
Travel	ThinkPad X Series notebook with the IBM High Rate Wireless LAN PC Card 128	Subscription to WayPort, Inc. or MobileStar Network Corporation for high-rate access in public areas such as airports or hotels
Home Office	ThinkPad A22m notebook with integrated 802.11b wireless technology	IBM High Rate Wireless LAN Gateway connected to DSL or cable modem
Education	ThinkPad i Series notebook with integrated 802.11b wireless technology	<i>Higher Education:</i> IBM High Rate Wireless LAN Access Point 500 <i>K-12:</i> IBM ThinkPad a la Carte solution with the MobileSchool from Datavision-Prologix

Bluetooth technology makes wireless personal

Optional Bluetooth wireless technology helps ThinkPad notebooks communicate with peripherals enabled with Bluetooth technology, like handheld computers, mobile phones, even printers and scanners. Used in conjunction



with a mobile phone with Bluetooth technology, your ThinkPad notebook with a Bluetooth UltraPort module

(for models with UltraPort) or Bluetooth PC Card from IBM can even connect to your office network on the road.

ThinkPad Proven and WorkPad Proven



*Tested, warranted and supported by manufacturer to ThinkPad Compatibility Standards.



*Tested, warranted and supported by manufacturer to WorkPad Compatibility Standards.

Partnerships with wireless service providers MobileStar Network Corporation and Wayport Inc. help link ThinkPad users to remote wireless networks. Primarily in hotels, airports and convention centers, MobileStar and Wayport networks give business travelers fast, simple connections to the Internet and corporate networks³.

Can't access a WLAN or modem connection? Novatel Wireless offers wide-area wireless modems to provide real-time, 2-way wireless WAN access to the Internet or corporate LAN from just

about anywhere on your ThinkPad Notebook and WorkPad[®] PC companion. Visit ibm.com/ww/thinkpad/proven for a complete list of ThinkPad Proven[™] and WorkPad Proven accessories and upgrades.

Mobile and Wireless Services

Turn wireless technology into tangible business advantage with Implementation Planning, Site Survey, Pre-delivery Preparation, Installation and Rollout, Network and Cellular Access, Training, and Help Desk. Visit ibm.com/services/nc/integration/mobile for more information.

A great complement to IBM Global Services to support ThinkPad wireless products, CompuCom ConvergeMobile set of services ranges from consulting to actual installation and integration. Visit ibm.com/pc/wireless/alliances for more information.

Wireless connectivity from Options by IBM

802.11b wireless technology

IBM High Rate Wireless LAN Access Point 500	09N9906
IBM High Rate Wireless LAN PC Card 128	09N9904
IBM High Rate Wireless LAN Gateway	22P6401

Bluetooth wireless technology

Bluetooth PC Card from IBM	09N9812
Bluetooth UltraPort Module from IBM	09N9811

NEW!

Options by IBM offers a wide range of accessories and upgrades designed to work with your ThinkPad notebook. For more information, visit ibm.com/options (U.S.) or ibm.com/pc/ca/accessories (Canada).

Key specifications of wireless ThinkPad notebooks

Model	T23 (2647-5LU, 9LU)	A22m (2628-W1U, W2U, WSU, WTU, V1U, V2U, VSU, VTU)	i Series (1711-9XU, 8XU, 6XU, 5XU)
Processor	Mobile Intel® Pentium® III processor 1.13GHz ⁴ -M	Mobile Intel Pentium III with Intel SpeedStep™ technology at 1GHz (WXU) or 900MHz (VXU)	Mobile Intel Pentium III with Intel SpeedStep technology at 750MHz (9XU, 8XU) or Celeron™ at 700MHz (6XU, 5XU)
Level 2 Cache⁵	512KB	256KB	9XU, 8XU: 256KB, 6XU, 5XU: 128KB
Display/resolution	14.1" TFT SXGA+/1400x1050	14.1" TFT XGA/1024x768	13.3" TFT XGA/1024x768
Memory (std/max)⁶	128MB/1GB	128MB/512MB	64MB/128MB
Hard disk drive	48GB ⁷ high speed	30GB, 10GB	20GB, 10GB
Optical drive	8X-2.3X ⁸ DVD-ROM	WXU: 8X-2X DVD-ROM, VXU: 24X-10X CD-ROM	9XU; 8XU; 6XU: 8X/4X/24X ⁹ CD-RW, 5XU: 24X-10X CD-ROM
Dimensions¹⁰	12.0"x9.8"x1.3"	12.5"x10.5"x1.4-1.7"	12.3"x9.9"x1.4"
Li-Ion battery life¹¹	3.0hrs	3.0hrs	3.8hrs (9XU, 8XU) 3.5hrs (6XU, 5XU)
Travel weight¹² (w/optical drive)	5.0 lb (5.5 lb)	6.7 lb (7.2 lb)	5.9 lb (same)
Communications	802.11b wireless, 56K modem and 10/100 Ethernet	W1U, W2U, V1U, V2U: 802.11b wireless and 56K modem; WSU, WTU, VSU, VTU: 802.11b wireless, 56K modem and 10/100 Ethernet	802.11b and 56K modem
Preloaded operating system¹³	SLU: Windows 98 9LU: Windows 2000	W1U, WSU, V1U, VSU: Windows 98; W2U, WTU, V2U, VTU: or Windows 2000	9XU, 6XU, 5XU: Windows Millennium Edition; 8XU: Windows 2000

¹ Response times may vary. May exclude some holidays.

² Range will vary depending on obstacles and building materials.

³ IBM makes no warranties, express or implied, regarding ThinkPad Proven (or WorkPad Proven) products and services, including any implied warranties of merchantability or fitness for a particular purpose.

⁴ GHz/MHz only measures microprocessor internal clock speed, not application performance. Other factors also affect application performance. For Mobile Intel Pentium III processors featuring Intel SpeedStep technology, this denotes maximum performance mode; battery optimization mode is approximately 80% of maximum performance mode.

⁵ At processor speed.

⁶ Maximum memory varies depending on model and may require replacement of standard memory with optional maximum memory module.

⁷ GB equals one billion bytes when referring to hard disk drive capacity. Accessible capacity may be less.

⁸ Variable read rate. Actual playback speed will vary and is often less than the maximum possible.

⁹ Up to 4X CD-RW write speed; variable read rate (20X-8X). Actual playback speeds will vary and are often less than the maximum possible.

¹⁰ Thickness may vary at certain points on the system.

¹¹ These model numbers achieved a Ziff Davis Media, Inc. BatteryMark™ Version 4.0 Battery Rundown Time of the times shown. This test was performed without independent verification by Ziff Davis; Ziff Davis makes no representations or warranties as to these test

results. A description of the environment under which the test was performed is available at ibm.com/pc/www/thinkpad/batterylife.html. Results obtained using BatteryMark 4.0 on Windows 98 operating system. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

¹² Includes battery and optional travel bezel, instead of standard optical drive in Ultrabay 2000, if applicable; weight may vary due to vendor components, manufacturing process and options.

¹³ Delivered with Windows 98 preloaded and a Windows 98 Recovery Partition on the hard disk drive. For ThinkPad notebooks preloaded with Windows 2000, a Windows NT® 4.0 Recovery Partition is on the hard disk drive. Installation of Windows NT 4.0 results in the removal of Windows 2000.

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