

Extra-light, extra-small, ultraportable notebook



IBM ThinkPad X Series notebooks



IBM ThinkPad X30
Best of 2002: Windows Portable PC
Fortune Magazine
December 2002

Highlights

- **Experience longer battery life, up to six hours¹, with the new ThinkPad X31, about 25mm thin² and starts at just 1.6kg³**
- **Snap on the optional X3 UltraBase for quick expansion and cable management**
- **Enjoy the flexibility of up to five integrated communications choices, IEEE 1394 and CompactFlash**
- **Rely on global IBM service and support, available in 164 countries and 22 languages⁴.**

Small package, big performance

Spend most time working away from the office? Then you'll love the new, lean ThinkPad[®] X31. There's new Intel[®] Centrino[™] mobile technology on select models designed for performance and long battery life. ThinkPad X31 notebooks can deliver battery power up to six hours – upgradeable to 10.1 hours (select models) for all-day computing by using the optional Extended Life Battery with the standard system battery⁵.

IBM means innovation

IBM innovations can help IT departments simplify system management chores and reduce ownership costs. IBM Rapid Restore[®] PC, an IBM ThinkVantage[®] Technology, lets users restore previously saved data – including applications and the operating system – locally.

The IBM Embedded Security Subsystem on select models, including IBM Client Security Software (available by download), provides a higher level of security with a unique hardware- and software-based solution. This ThinkVantage Technology can encrypt data to virtually 'lock' private information.

Leadership in wireless connectivity

The IBM UltraConnect[™] Antenna built into the display helps make the most of a wireless LAN. Select ThinkPad X31 notebook models feature new integrated IBM 11a/b Wi-Fi[®] wireless or Intel Centrino mobile technology. To easily blend a wireless ThinkPad X31 notebook into a wireless-equipped Cisco network, choose Cisco Aironet Wireless 802.11b technology integrated on select models.

Go to ibm.com/pc/europe/thinkpad

to locate an IBM reseller or for more information.

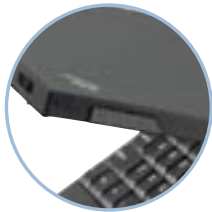
The ThinkPad X Series advantage

IBM ThinkPad X3 UltraBase

46P7912

Enhance the functionality of your ThinkPad X31 by snapping it into the IBM ThinkPad X3 UltraBase for an array of expansion ports, two stereo speakers and a Kensington Lock slot. This simple, quick-attach solution is easy to carry and accommodates an extra system battery for all day computing, up to 11 hours (select models).

It also features an integrated Ultrabay[®] Plus bay for optional Ultrabay 2000 devices, including storage and optical drives.



NEW! IBM UltraConnect Antenna

Built into both sides of the display, IBM UltraConnect Antenna provides enhanced signal strength and supports multiple frequencies to optimise coverage around the world. Choose the Embedded Security Subsystem for the most secure wireless computing.



Connect easily and quickly

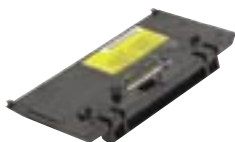
IBM Access Connections software helps you manage wired and wireless connections at work, on the road or at home. Whilst Access IBM provides easy access to online⁷ and on-system information including IBM Service and Support.



NEW!

ThinkPad X30 Extended-Life Battery

02K7041



All-day computing is a reality with the addition of the ThinkPad X30 Extended Life Battery. This unique battery, only 0.45kg, can be added quickly to the bottom of the ThinkPad X31 notebook for up to 10.1 hours of computing.

IBM USB 2.0 Portable CD-RW Drive

22P907x



Achieve incredible data transfer at a rate up to 480Mbps⁸ with this small, lightweight clamshell USB 2.0 and 1.1 compatible CD-RW drive supporting buffer underrun protection technology.

NEW!

IBM iLM300 MicroPortable Data/Video Projector

31P69xx



One of the world's lightest projectors, weighing only 1.1kg with striking XGA (1024x768) resolution and a bright 1100 lumens. Just plug-in your ThinkPad notebook and project, thanks to instant recognition technology.

NEW!

IBM 256MB USB 2.0 Memory Key

22P9025



Carry loads of data in this thumb-sized device. It features a write protection switch to prevent accidental overwrites and security software so you can protect certain files.

IBM ThinkPad X Series specifications

Model	NEW! X31	X30
Machine type	2672	2672
Processor/Level 2 cache⁹	Intel Pentium™ M at 1.4GHz/1MB	Mobile Intel Pentium III Processor-M at 1.2GHz ¹¹ /512KB
Display/resolution	12.1" TFT XGA/1024x768	12.1" TFT XGA/1024x768
Hard disk drive	40GB	40GB ¹¹
Memory (std/max¹²)	256MB/1GB PC2100 DDR SDRAM	256MB/1GB PC133 SDRAM
Video graphics	ATI Mobility RADEON 16MB DDR 4X AGP	Integrated Intel 830MG 8MB 4X AGP
Communications (integrated)	56K ¹³ modem, 10/100 Ethernet, Wi-Fi wireless upgradeable with built-in antenna. Select models: Gigabit Ethernet, Intel PRO/Wireless Network Connection, Cisco Aironet 802.11b, IBM 11a/b Wi-Fi wireless, Bluetooth* [#]	56K ¹⁴ modem, 10/100 Ethernet. Select models: Intel PRO/Wireless, Cisco Aironet 802.11b, Bluetooth
Li-Ion battery life¹	5.2-6.0hr (up to 10hr with optional Extended-Life Battery)	4.3-4.5hr (7.8-8.0hr with optional Extended-Life Battery)
Ports	IEEE 1394; 2 USB; parallel; Infrared; Dock/Port Replicator; external display; AC adapter; audio: headphone/line out, external microphone, line in; RJ-11, RJ-45. X31 models: 2 USB 2.0	
Slots	1 Type II PC Card, Compact Flash	1 Type II PC Card, Compact Flash
IBM Embedded Security System 2.0	yes	select models
Keyboard	ergonomic keyboard that resists damage caused by spills ¹⁴ (85 standard-size keys, 18.5mm vertical stroke and 18.2mm horizontal key pitch, 2.5mm stroke) with palm rest, TrackPoint [®] pointing device with 'Press-to-Select', Internet Scroll Bar, and Access IBM	
Dimensions² (WxHxD)	273x223x24.9mm	273x223x24.9mm
Weight³	1.6-1.7kg	1.6-1.7kg
Port replicator/Dock support	yes	yes
Limited warranty¹⁵	3 years/1 year battery	3 years/1 year battery

* Bluetooth and wireless equipped models are not available in all European countries.

IBM ThinkPad X Series software

Preloaded operating system¹⁶	Microsoft™ Windows™ XP Professional or Windows 2000 Professional		
Supported operating systems¹⁷	Windows XP Professional, Windows 2000 Professional, Windows Millennium Edition, Windows 98 Second Edition, Windows 98, Windows 95, Windows NT™ 4.0		
Included software¹⁸ (preloaded)	<ul style="list-style-type: none"> • Access ThinkPad • Adobe Acrobat Reader 	<ul style="list-style-type: none"> • ConfigSafe (W2000 models only) • PC-Doctor • ThinkPad Utilities 	<ul style="list-style-type: none"> • Update Connector¹⁹ • Norton AntiVirus (OEM Edition) • IBM Rapid Restore PC
(downloadable)	<ul style="list-style-type: none"> • Client Security Software (Embedded Security Subsystem models only) 	<ul style="list-style-type: none"> • IBM Director Agent • Software Delivery Assistant • System Migration Assistant 	
(licence—CD not included)	<ul style="list-style-type: none"> • Lotus® SmartSuite® Millennium 	<ul style="list-style-type: none"> • Lotus Notes® Standalone Client 	

Customise your ThinkPad notebook

02K688x	ThinkPad Ultraportable 56W AC Adapter
09N4171	ThinkPad Alpha Carrying Case
22P5298	USB Serial Parallel Adapter
09N4211	IBM Portable 20GB USB 2.0 Hard Drive with Rapid Restore

For important warranty information, see page 4.



IBM ThinkPad X Series
Ultraportable Category: Number One Ranking
Eighth Annual Mobility Awards
Mobile Insights
May 2002

Need more information?

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- ¹ These model numbers achieved eTesting Labs, Inc.'s BatteryMark 4.0.1 Battery Rundown Time of the times shown. This test was performed without independent verification by eTesting Labs, Inc.; eTesting Labs, Inc. makes no representations or warranties as to these test results. BatteryMark is a trademark of Ziff Davis Publishing Holdings Inc., an affiliate of eTesting Labs., in the U.S. and other countries. A description of the environment under which the test was performed is available at **ibm.com/pc/ww/thinkpad/batterylife.html**
- ² Thinness may vary at certain points on the system.
- ³ Includes battery. Weight may vary due to vendor components, manufacturing process and options.
- ⁴ 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.

- ⁵ The ThinkPad X30 supports only two batteries in use at one time.
- ⁶ Based on IEEE 802.11b and 802.11a. This wireless LAN product has been designed to permit legal operation worldwide in regions in which it is approved. This product has been tested and certified interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.
- ⁷ Requires separate Internet access account, not included.
- ⁸ Data transfer rates depend on many factors and are often less than the maximum possible.
- ⁹ At processor speed.
- ¹⁰ Processor speed may be lower when operating on battery power.
- ¹¹ GB equals one thousand million bytes when referring to hard disk drive capacity. Accessible capacity is less.
- ¹² Maximum memory varies depending on model and may require replacement of standard memory with optional maximum memory module.
- ¹³ Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require compatible phone line and server equipment and download of V.92 support device driver when available. Check with your telephone and Internet service providers for availability.
- ¹⁴ Not designed for prolonged contact with liquid.
- ¹⁵ Telephone support may be subject to additional charges. For on-site labour, IBM will attempt to diagnose and resolve the problem remotely before sending a technician. Battery covered by a separate, one-year limited warranty.
- ¹⁶ Delivered with Windows 2000 or Windows XP Professional preloaded and a Recovery Partition on the hard disk drive.

- 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 select Notebooks and PC Companions from the 'Browse the Support Site' drop-down menu or enter your machine type and model number for more information.
- ¹⁸ Some software may differ from its retail version (if any), and may not include user manuals or all program functionality. Warranty, service and support for non-IBM products are provided directly to you by third parties, not IBM. IBM makes no representations or warranties regarding non-IBM products. For non-IBM software, applicable third-party software licences may apply.
- ¹⁹ Update Connector is available at no charge to registered ThinkPad customers during the limited warranty period. Line charges may apply.

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