



IBM ThinkPad A Series notebooks



Highlights

- **Work easier with design elements like two modular bays and Web navigation keys**
- **Simplify setup and management of communications on select models with Access Connections**
- **Connect how, when and where you choose with integrated 802.11b wireless (requires wireless LAN), Bluetooth™ wireless, Ethernet and 56K¹ modem featuring V.92 design on select models**
- **Rely on HelpCenter® support available worldwide, 24 hours a day, 7 days a week²**

The desktop alternative that's right for you

The ThinkPad A series is designed for those who want desktop functionality with the flexibility to take work home. Choose from models with solid mainstream performance or models with the ultimate in multimedia and high performance.

NEW!

Make it your own

Two modular bays, including the new Ultrabay™ Plus, allow you to further customize your ThinkPad notebook. A selection of options, including storage and optical drives, a keyboard-extending numeric keypad or WorkPad® cradle (requires optional Ultrabay Plus Device Carrier), is sure to include the solution you need.

NEW!

Connect your way, almost anywhere

Integrated, Wi-Fi-certified 802.11b wireless technology on select ThinkPad A Series notebooks provides wireless access to information on an access point-equipped network. Plus, the Access Connections utility lets you save your connectivity settings and easily switch between modem, Ethernet and wireless.

**Choose IBM
ThinkPad today**

Go to **ibm.com** or call 1 888 SHOP IBM
to buy direct, locate an IBM reseller or for more information.

ThinkPad A Series features



The ThinkPad e-xperience

- 1 IBM ThinkPad display** offers brightness and high resolution.
- The ThinkPad Button launches **Access ThinkPad** to simplify access to online³ and on-system resources, including Access Connections connectivity management software and award-winning service and support.
- NEW! Web navigation keys** work the Internet easier with shortcut keys that replicate most browser functions (8 total, 3 customizable).
- NEW! Ultrabay Plus** integrated modular bay supports all **Ultrabay 2000** devices including CD-RW/DVD Combo drive, diskette drive or Zip drive. With the optional ThinkPad Ultrabay Plus Device Carrier, you can add an Ultrabay Plus Numeric Keypad or Cradle for your WorkPad c500 Series.
- 5 ThinkLight keyboard light**, unique to IBM ThinkPad notebooks, lets you work in low-light conditions.
- 6 Integrated 802.11b wireless technology with dual-antenna system** (select models) built into either side of the display for strong signal performance⁴.
- 7 Flexible docking options**—common to ThinkPad X, T, R⁵ and A Series notebooks:
 - ThinkPad Port Replicator—easy cable management
 - ThinkPad Dock—cable management plus simple desktop expansion including an Ultrabay 2000
- 8 RJ-11 and RJ-45 ports** eliminate the need for cable or card swapping to connect on models with integrated Ethernet and a V.92 designed modem while standard ports for expanded multimedia include S-video in.

ThinkPad A Series specifications

Machine type	A30: 2652 (4CU, 46U, 45U, 4BU, 44U, 43U)	A30: 2652 (3CU, 36U, 35U, 3BU, 34U, 33U)	A30: 2652 (2BU, 24U, 23U, 1BU, 14U, 13U, 1AU)
Processor/Level 2 cache⁶	NEW! ● at 1.13GHz/512KB	● at 1GHz/512KB	● at 933MHz/512KB
Display/resolution	15" TFT XGA (1024x768)	15" TFT SXGA+ (1400x1050)	2XU: 15" TFT XGA (1024x768) 1XU: 14.1" TFT XGA (1024x768)
Hard disk drive	30GB ⁸	30GB	20GB
Memory (std/max)⁹	128MB/1GB PC133 SDRAM	128MB/1GB PC133 SDRAM	128MB/1GB PC133 SDRAM
Optical drive	8X ¹⁰ -2X DVD-ROM	8X-2X DVD-ROM	24X-10X CD-ROM
Video graphics (chip)	16MB SDRAM (ATI Mobility Radeon)	16MB SDRAM (ATI Mobility Radeon)	16MB SDRAM (ATI Mobility Radeon)
Communications	4CU, 46U, 45U: 802.11b wireless, 56K modem*; 10/100 Ethernet 4BU, 44U, 43U: 56K modem*; 10/100 Ethernet	3CU, 36U, 35U: 802.11b wireless, 56K modem*; 10/100 Ethernet 3BU, 34U, 33U: 56K modem*; 10/100 Ethernet	2BU, 1BU, 24U, 14U, 23U, 13U: 56K modem*; 10/100 Ethernet 1AU: 56K modem*
Battery type/battery life¹¹	Li-Ion/3.2hr	Li-Ion/3.2hr	Li-Ion/3.2hr
Ports	Infrared RJ-11, RJ-45, 2 USB, serial, parallel, headphone, microphone, external monitor, S-video in		
Slots	2 Type II or 1 Type III PC Card	2 Type II or 1 Type III PC Card	2 Type II or 1 Type III PC Card
Keyboard	ergonomic keyboard with palm rest, TrackPoint [®] pointing device with "Press-to-Select", Internet Scroll Bar, NEW! Web navigation keys, intuitive volume control and Access ThinkPad		
Dimensions¹²	13"x10.7"x1.8"	13"x10.7"x1.8"	13"x10.7"x1.8"
Travel weight¹³/ with optical drive	6.8 lb/7.4 lb	6.8 lb/7.4 lb	2BU, 24U, 23U: 6.8 lb/7.4 lb 1BU, 14U, 13U, 1AU: 6.6 lb/7.2 lb
Port Replicator/Dock support	yes/yes	yes/yes	yes/yes

NEW! ● Mobile Intel[®] Pentium[®] III Processor-M

*V.92 designed modem (Requires download of V.92 microcode when available and country approval.)

Software

Preloaded operating system¹⁴	2652—4CU, 4BU: W98; 46U, 44U: W2000; 45U, 43U: WXP 2652—3CU, 3BU: W98; 36U, 34U: W2000; 35U, 33U: WXP 2652—2BU, 1BU, 1AU: W98; 24U, 14U: W2000; 23U, 13U: WXP
Supported operating systems¹⁵	Windows XP, Windows 2000, Windows 98, Windows 95, Windows NT [®] 4.0, Red Hat Linux [®] , SuSE Linux, Turbo Linux, Caldera Linux
Included software¹⁶ (preloaded)	<ul style="list-style-type: none"> ● Access ThinkPad <ul style="list-style-type: none"> - Access Connections (WXP and W2000 models only) - Access Help ● Adobe Acrobat Reader ● ConfigSafe ● Mediamatics DVD (DVD models only) ● PC Doctor ● ThinkPad Utilities ● Update Connector^{TM.17}
(downloadable)	<ul style="list-style-type: none"> ● Client Security Software 2.0 (security subsystem models only) ● IBM Data Transfer ● Rapid Restore PC ● Universal Manageability (UM ServicesTM)
(license)	<ul style="list-style-type: none"> ● Lotus[®] SmartSuite[®] Millennium (CD not included)

Comprehensive support included with your purchase

- Limited warranty for one year*
- Personalized Web-based support¹⁹
- International Warranty Service²⁰
- 24x7 toll-free hardware support² during the warranty period
- EasyServTM onsite pickup and delivery²¹

*See page 4 for additional warranty information¹⁸.

NEW! WXP=Microsoft[®] Windows[®] XP Professional W2000=Windows 2000 Professional W98=Windows 98 Second Edition



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- ¹ Designed to be capable of receiving data at up to 56Kbps with compatible phone line and server equipment, and transmitting data at up to 31.2Kbps. Public networks currently limit download speeds to about 53Kbps. Actual speeds vary and are often less than the maximum possible.
- ² Response times may vary. May exclude some holidays.
- ³ Requires Internet access account, available separately.
- ⁴ Requires compatible wireless-enabled peripherals, not included.
- ⁵ ThinkPad R Series models support ThinkPad Port Replicator only.
- ⁶ At processor speed.
- ⁷ 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.
- ⁸ GB equals 1,000,000,000 bytes when referring to hard disk drive capacity. Accessible capacity may be less.
- ⁹ Maximum memory varies depending on model and may require replacement of standard memory with optional maximum memory module.
- ¹⁰ CD and DVD drives list maximum rates; rates are variable and are often less than the maximum.
- ¹¹ These model numbers achieved a Ziff Davis BatteryMark™ Version 4.0.1 Battery Rundown Time of the times shown above. This test was performed without independent verification by Ziff Davis Media, Inc.; 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/ww/thinkpad/batterylife.html. 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 Thickness may vary at certain points on the system.
- ¹³ Includes battery and optional travel bezel instead of standard optical drive in Ultrabay Plus; weight may vary due to vendor components, manufacturing process and options.
- ¹⁴ Delivered with Windows 98, Windows 2000 or Windows XP preloaded and a Recovery Partition on the hard disk drive.
- ¹⁵ Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Please refer to ibm.com/pc/support and select "Notebooks and PC Companions" from the "Browse the Support Site" menu item or enter your machine type and model number for more information.

- ¹⁶ 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 licenses may apply.
- ¹⁷ Update Connector is available at no charge to registered ThinkPad customers during the limited warranty period. Line charges may apply.
- ¹⁸ For terms and conditions or a copy of the IBM Statement of Limited Warranty, call 1 800 772 2227 in the U.S. and in Canada, call 1 800 426 2255. Battery covered by a separate, one-year limited warranty.
- ¹⁹ Registration is required at ibm.com/pc/support
- ²⁰ Available in those countries where IBM and IBM resellers sell and service ThinkPad products. Registration required. Service level is based on the standard service for ThinkPad notebooks in that particular country.
- ²¹ The customer may be asked certain diagnostic questions before a courier is sent. Your ThinkPad purchase includes this depot repair service, available in the U.S. during the warranty period.

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Custom ThinkPad A30 spec sheet.
Complete A Series spec sheet is available:
G221-6454-00