New ThinkPad X60s models with Intel Core 2 Duo L7400 processors include a three-year limited warranty

At a glance

The ThinkPad X60s ultraportable notebook offers great features and options, including:

- Common options, accessories, and docking solutions with ThinkPad X60 notebooks

- Intel Core 2 Duo processor L7400 featuring Intel SpeedStep technology[1] for maximum and battery-optimized performance

- Enhanced port replication and expansion through the optional ThinkPad X6 UltraBase

- Integrated UltraConnect antenna to help optimize worldwide frequency coverage and performance for improved wireless LAN connectivity on 802.11a, 802.11b, and 802.11g[2] networks[3]

- Client Security Solution

- ThinkVantage Rescue and Recovery™

- Standard 512 MB or 1 GB (two 512 MB)[4]

- 60 or 80 GB[5] 5400 rpm 2.5-inch HDD

- Microsoft Windows XP Professional

- Support Center: 800-426-7378

Overview

What's new

ThinkPad® X60s models with Intel® Core 2 Duo L7400 processors

The ThinkPad X60s ultraportable notebook is a thin and light notebook with a 12.1-inch XGA TFT with 1024 x 768 resolution. Models weigh beginning at 1.33 kg (2.93 lb)[6] with the small footprint starting at 268 mm x 211 mm (10.5 x 8.3 in). The system comes with preinstalled Microsoft™ Windows™ XP Professional and selected applications.

Note: Included software may differ from its retail version (if available), and may not include user manuals or all program functions. License agreements may apply.

Feel the power

- Intel Centrino® Duo mobile technology:

    – Intel Core 2 Duo processor family

    – Intel PRO/Wireless family

    – Intel 945 GM chipset family

- Data security with Client Security Solution
- Intel Graphics Media Accelerator 950
- 667 MHz front-side bus (FSB) and 4 MB L2 cache

HDD

- 60 or 80 GB 5400 rpm 2.5-inch HDD

Memory

- Standard 512 MB or 1 GB (two 512 MB)

  ThinkPad PC2-5300 DDR2 667 MHz memory,[7] expandable with optional SDRAM SO DIMM module to a maximum 4.0 GB[8]

Battery

- Four-cell Enhanced Capacity Li-Ion battery on selected models
- Eight-cell High Capacity Li-Ion battery on selected models

Communications

- Integrated 56K[9] V.90[10] modem (V.92-designed)
- Intel Pro/Wireless 3945ABG Network Connection[11]
- Integrated Bluetooth wireless technology on selected models

Warranty

- Three-year limited warranty[13] (battery one-year limited warranty)

Ports

- Extensive standard ports, including three USB 2.0, external display, RJ-45, RJ-11, IEEE 1394
- Secure Digital card slot for options that enable storage expansion, communications, and data transfer between PCs and peripherals
- 4 Mbps infrared port for wireless data transfer or synchronization with a compatible PDA or cell phone

Options

- ThinkPad X6 UltraBase provides cable management and expansion through a variety of Ultrabay™ Slim options

Take control

- ThinkVantage™ Access Connections: Simplifies management of multiple connectivity environments

Planned availability

April 2007

Description

ENERGY STAR

All models of ThinkPad notebook systems are designed to meet the EPA ENERGY STAR[14]

requirements for using less than 15 watts of power in sleep mode when enabled by the power management software provided with the systems.

ThinkPad X60s ultraportable notebook

Processor technology: Intel Core 2 Duo processor L7400 featuring Intel SpeedStep technology for maximum and battery-optimized performance

Excellent security and manageability: Designed to the PXE 2.1 requirement for mobile systems

Data protection: Selected models include integrated fingerprint reader technology from ThinkVantage technologies to help protect access to your ThinkPad notebook and data.

- Because fingerprints are unique, using them along with other security measures can provide strong security.

- Fingerprint reader is built right into the palm rest area of the computer. When used with Password Manager and the Client Security Solution, pass your finger over the reader instead of typing passwords or combine it with passwords.

- Combine the integrated fingerprint reader with Password Manager and the Client Security Solution for strong security measures that are easy to follow. Security software is preloaded for an integrated solution out of the box.

- Administrators can implement strong security policies and users can meet ongoing password requirements easily.

ThinkVantage Rescue and Recovery is a one-button recovery and restore solution that includes a set of self recovery tools to help users diagnose, get help, and recover from system crashes quickly, even if the primary operating system will not boot and you are remote from your support team.

- System Rejuvenation keeps data and system personality settings current when you restore

- Antidote Delivery Manager allows IT staff to deliver fixes and updates to users wherever they are, even if their systems are down because of a worm or virus

- Point and click wizard to make creation of Antidote scripts easy

- Integration with other ThinkVantage Technologies to allow migration from backup and chip-encrypted backups, combining our great technologies to create an even more robust environment

Accelerometer, a ThinkVantage technology, helps protect your HDD from some damage that could be caused by shock. A system board-mounted sensor continuously monitors your ThinkPad notebook for sudden movement, and temporarily parks the HDD read/write head when a fall or similar event is predicted.

LCD TFT display: The ThinkPad X60s ultraportable notebook includes a 12.1-inch XGA TFT with 1024 x 768 resolution.

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Video modes — Intel Graphics Media Accelerator 950
(UMA 128 MB maximum)


             TFT LCD
Resolution   Color depth

 640 x   480   256,          64K,          16M
 800 x   600   256,          64K,          16M
1024 x   768   256,          64K,          16M
1280 x 1024   256(15),      64K(15),      16M(15)
1600 x 1200   256(15),      64K(15),      16M(15)


                    External  monitor
Resolution   Color   Refresh rate (Hz)

 640 x   480   256    60, 70, 72, 75,  85, 100, 120
 640 x   480   64K    60, 70, 72, 75,  85, 100, 120
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640  x   480     16M      60, 70, 72, 75,  85, 100, 120
800  x   600     256      56, 60, 70, 72,  75,  85, 100, 120
800  x   600     64K      56, 60, 70, 72,  75,  85, 100, 120
800  x   600     16M      56, 60, 70, 72,  75,  85, 100, 120
1024 x   768     256      60, 70, 75, 85, 100, 120
1024 x   768     64K      60, 70, , 75, 85, 100, 120
1024 x   768     16M      60, 70, 75, 85, 100, 120
1280 x  1024     256      60, 70, 72, 75,  85, 100, 120
1280 x  1024     64K      60, 70, 72, 75,  85, 100, 120
1280 x  1024     16M      60, 70, 72, 75,  85, 100, 120
1600 x  1200     256      60, 70, 72, 75,  85, 100
1600 x  1200     64K      60, 70, 72, 75,  85, 100
1600 x  1200     16M      60, 70, 72, 75,  85, 100
2048 x  1536     16M      60, 75
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Keyboard and TrackPoint® with enhanced features: The keyboard has the familiar layout and quality of a ThinkPad notebook with function keys that allow you to quickly access system functions such as power management control.

You can use any of three new key combinations to easily manage your ThinkPad system:

- Fn + F5 for wireless radio control

- Fn + F7 for Presentation Director to toggle through different displays and adjust resolutions

- Fn + F9 for Easy Eject to seamlessly remove add-on peripherals such as a memory key

Each of these quick key combinations launches a menu that assists you in using ThinkPad innovations.

The TrackPoint with enhanced features incorporates the Press-to-Select and Release-to-Select function.

Just tap the TrackPoint to speed icon launches and help reduce keystrokes. The programmable center button enables fast scrolling of Web sites (requires Internet access; not included) and documents or fast panning across wide spreadsheets. Switch to the innovative magnifying glass feature to enlarge screen views in any application. Selected models include integrated fingerprint reader technology.

Memory: Standard 512 MB or 1 GB (two 512 MB) that can be configured for up to 4.0 GB of memory

Card slots: The PC card slot accommodates either one Type-I or one Type-II card. The Secure Digital card slot enables flexible communications and storage expansion.

Other features and ports

- External display port

- Intel High Definition Audio for excellent sound

- Integrated 56K V.90 modem (V.92-designed)

- Integrated UltraConnect Wi-Fi wireless antenna

- ThinkPad shock mounted HDD; the HDD is mounted in rubber rails to enhance durability

- Thin, light, and strong magnesium-aluminum top and bottom covers

- Floating planar design to protect components from damage

- Intel Pro/Wireless 3945ABG Network Connection

- Integrated Bluetooth wireless technology on selected models

- Infrared

- Integrated microphone

- External microphone port

- Headphone/line-out

- Secure Digital card slot

- Three USB 2.0
- RJ-11 and RJ-45

Standard or optional system battery

- Four-cell Enhanced Capacity Li-Ion battery on selected models
- Eight-cell High Capacity Li-Ion battery on selected models

Optional X6 UltraBase docking solution

- Easy cable management and expansion
- Stereo speakers
- Microphone(line-in)
- Headphone(line-out)
- One Ultrabay slot supporting the latest Ultrabay Slim options
- Standard ports including RJ-11, RJ-45, serial, parallel, external display, power, and four USB 2.0 ports
- Keylock to securely attach the system unit to the X6 UltraBase
- Slot for optional security cable lock

Ultrabay Slim options: Select from an expanding range of Ultrabay Slim devices including a CD-RW/DVD combo Ultrabay Slim drive, an ultralight DVD-Recordable drive, or an additional 2.5-inch HDD. These options require the ThinkPad X6 UltraBase.

Family features available for these ThinkPad notebooks

- Intel Core Duo processors L2400 or L2500
- Intel Core 2 Duo processors L7400
- HDDs: 40, 60, 80, 100, or 120 GB (2.5-in, 5400 rpm), or 60, 100 GB (2.5-in, 7200 rpm)
- System memory: 256 MB, 512 MB, 1 GB, and 2 GB
- Optical drives: CD-RW/DVD-ROM Combo, DVD-ROM, and DVD recordable (requires X6 UltraBase)
- Bluetooth wireless technology
- Intel 945GM chipset and Integrated Intel Graphics Media Accelerator 950
- ThinkPad 11a/b/g Wi-Fi wireless
- ThinkPad 11a/b/g/n Wireless LAN Mini-PCI Express Adapter
- Intel PRO/Wireless 3945ABG Network Connection
- Verizon Wireless Broadband Access (U.S. only)
- Fingerprint reader
- 12.1-inch TFT display with 1024 x 768 resolution panel
- 12.1-inch TFT display with 1024 x 768 resolution with a Ultralight panel
- Four-cell Enhanced Capacity Li-Ion battery
- Four-cell Slim Line Li-Ion battery
- Eight-cell High Capacity Li-Ion battery
- Microsoft Windows XP Professional
- Microsoft Windows XP Home Edition
- Microsoft Vista Business Edition

- Microsoft Office Personal (Japan only)

Certain product family features are limited to select models that may not be available in all countries. Some combinations of features are not supported. Refer to the models and features available in your country.

Software

Microsoft Windows Vista Capable

- All ThinkPad X60s Series notebook computers with a minimum memory of 512 MB and Windows XP are "Windows Vista Capable," meaning customers can upgrade to Windows Vista without a hardware change.

- PCs with the "Windows Vista Capable" logo can run the core experiences of Windows Vista. All editions of Windows Vista will deliver core experiences such as innovations in organizing and finding information, security, and reliability.

- Some Windows Vista premium features that are available in premium editions of Windows Vista, like the new user experience, Windows Aero, may require advanced or additional hardware.

- A Windows Vista Capable PC that is Premium Ready helps to ensure the best experience possible when transitioning from Microsoft Windows XP to the future of computing using Windows Vista.

- Windows Vista System requirements tools and detailed information is also available on the Microsoft Web site at

  http://www.windowsvista.com/getready

Non-Lenovo™ software: The non-Lenovo software programs listed in this section may be licensed to you under the non-Lenovo manufacturer's, supplier's, or publisher's terms and conditions. The non-Lenovo manufacturers, suppliers, or publishers are responsible for providing any service or support associated with these programs. The descriptions of these programs were obtained from information made available by these companies to the general public. Lenovo does not warrant these products. Some software may differ from its separately available version (if available), and may not include user manuals or all program function.

Software that may be included or preloaded on the system:

Standard Preload for X60s systems

- Microsoft Windows XP Professional or Microsoft Vista Business Edition

- ThinkVantage Productivity Center

- ThinkVantage Access Connections

- ThinkVantage System Update

- PC-Doctor diagnostics

- ThinkVantage Rescue and Recovery

- Adobe Acrobat Reader

- Symantec Client Security Software (OEM Edition) with 90 days of virus definition updates

- ThinkVantage Client Security Software

- ThinkVantage Fingerprint software (only on models with fingerprint reader)

Warranty information

For a copy of applicable product warranties, contact your authorized Lenovo reseller or Lenovo representative. Lenovo makes no representation or warranty regarding third-party products or services.

Telephone support may be subject to additional charges, even during the limited warranty

period. For Lenovo machines with on-site labor, Lenovo will attempt to diagnose and resolve the problem remotely before sending a technician. For Lenovo machines with courier or depot service, your service provider will attempt to diagnose and resolve the problem remotely before sending a courier.

All offers are 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.

Reference information

[1]
Power management reduces processor speed when in battery mode.

[2]
11a, 11b, and 11g wireless are based on IEEE 802.11a, 802.11b, and 802.11g. An adapter with 11a/b/g can communicate on any of these formats; the actual connection is based on the access point to which it connects.

[3]
Requires compatible mini-PCIe wireless-enabled options that are sold separately.

[4]
For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 128 MB less than the amount stated, depending on video mode.

[5]
GB equals one billion bytes when referring to HDD. Accessible capacity is less. Up to 4 GB is used in the service partition.

[6]
Includes battery; weight may vary depending on vendor components, manufacturing process, or options.

[7]
Data transfer can vary and is often less than the maximum.

[8]
Maximum memory capacity may require the replacement of standard component with largest supported component available. Even though it is possible to physically install 4 GB of memory, the actual amount of memory addressable by the operating system will be limited to 3 GB. This limitation comes from the current 32-bit PC architecture.

Recommended for memory expansion are 2 GB PC2-4200 DDR2 SDRAM 533 MHz SO DIMM or 256 MB, 512 MB, and 1 GB PC2-5300 DDR2 SDRAM 667 MHz SO DIMM.

If PC2-4200 DDR2 SDRAM 533 MHz SO DIMM and PC2-5300 DDR2 SDRAM 667 MHz SO DIMM are used at the same time, actual memory access speed is aligned to 533 MHz.

[9]
The V.90 modem can receive data at up to 56 Kbps from a compatible service provider and transmit data at up to 31.2 Kbps. Public networks currently limit maximum download speeds to about 53 Kbps. Actual speeds depend on many factors and are often less than the maximum possible.

[10]
Public network download speeds are limited to 53 Kbps. Upload speeds are limited to 48 Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require a compatible phone line and server equipment, and download of the V.92 support device driver when available. Check with your telephone and Internet service providers for availability.

[11]
Wi-Fi wireless lets you connect to a LAN without wires or cables. To connect to the Internet, the Cisco AP1200 (or similar device) and an Internet connection are required. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.

[12]
Footnote does not apply.

[13]
Refer to the Lenovo Statement of Limited Warranty for terms governing support obligations. For a copy, contact your authorized Business Partner or Lenovo customer representative.

[14]
As an ENERGY STAR partner, Lenovo has determined that all models of this product meet the ENERGY STAR guidelines for energy efficiency.

[15]
Supported in panning mode.

Trademarks

Intel and Intel Centrino are registered trademarks of Intel Corporation.

Microsoft and Windows are trademarks of Microsoft Corporation.

Ultrabay, ThinkVantage, Rescue and Recovery, and Lenovo are trademarks of Lenovo in the United States, other countries, or both

ThinkPad and TrackPoint are registered trademarks of Lenovo in the United States, other countries, or both

Other company, product, and service names may be trademarks or service marks of others.

Optional features

For the latest information on options available for the ThinkPad® X60s ultraportable notebook and other ThinkPad notebooks, visit

http://www.pc.ibm.com/us/accessories/thinkpad/index.html

Services

Global Technology Services

IBM services include business consulting, outsourcing, hosting services, applications, and other technology management.

These services help you learn about, plan, install, manage, or optimize your IT infrastructure to be an On Demand Business. They can help you integrate your high-speed networks, storage systems, application servers, wireless protocols, and an array of platforms, middleware, and communications software for Lenovo™ and many non-Lenovo offerings.

For details on available services, contact your IBM representative or visit

http://www.ibm.com/services/

For details on available IBM Business Continuity and Recovery Services, contact your IBM representative or visit

http://www.ibm.com/services/continuity

For details on education offerings related to specific products, visit

http://www.ibm.com/services/learning/index.html

Select your country, and then select the product as the category.

Technical information

Specified operating environment

Physical specifications

- Width: 268 mm (10.5 in)
- Depth: 211 mm (8.3 in)
- Height: 20 to 28 mm (0.8 to 1.1 in)

Accessories

- Li-Ion battery pack:
  - Eight-cell High Capacity Li-Ion battery: 475 g (1.04 lb)
  - Four-cell Enhanced Capacity Li-Ion battery: 260 g (0.57 lb)

- Four-cell Slim Line Li-Ion battery: 200 g (0.44 lb)
- AC adapter (two-pin or three-pin)
- Power cord for ac adapter

Note: Actual specifications and weights may vary based on features, vendor components, or manufacturing processes.

Electrical specifications

- Universal ac adapter (65 W)
- Input: 100/240 V ac, 50/60 Hz
- Output: 20 V dc
- Li-Ion battery pack:
- Four-cell Slim Line: 14.4 V, 2.0 Ah
- Four-cell Enhanced Capacity: 14.4 V, 2.6 Ah
- Eight-cell High Capacity: 14.4 V, 5.2 Ah

Heat dissipation: 191 Btu/hr maximum

Heat emissions: 65 watts maximum

Air temperature for shipping and storage: -20° to 60°C (-4° to 140°F)

Acoustic noise level: Category 3D (office environment)

- Sound power level:
  - 3.4 bels (idling)
  - 4.4 bels (operating)
- Sound pressure level at the operator position: 41 dB (HDD seeking)

Note: All measurements are made in accordance with the International Organization of Standardization (ISO) 7779 and reported in conformance with ISO 9296.

Operating environment: ThinkPad computers are designed, built, and tested for high quality and reliability. When used properly in standard business environments, a ThinkPad system should be a reliable computing asset for many years. Harsh environments and abuse can damage ThinkPad systems since they are not intended to withstand extreme temperatures, dust, shock, or other severe physical environments. ThinkPad systems should not be used in unsuitable environments. For example, a ThinkPad system should not be used in non-stationary environments, such as in-vehicle installations, without additional casing or shock dissipation. Lenovo warrants that the ThinkPad notebook will conform to its Official Published Specifications when used in a suitable physical operating environment.

For additional information about supported environments, refer to the Physical specifications section.

Agency approvals: System unit

- FCC Class-B certified to comply with FCC Rules, Part 15
- VCCI Class B
- CISPR22 Class B
- UL 60950
- CSA C22.2 No. 950
- NOM

- SASO
- IEC 60950
- ACA
- MPR-II (Sweden)
- CE Mark
- CCC (for China)
- BSMI
- CER

Software requirements: The following operating systems support the ThinkPad X60 ultraportable notebook:

- Microsoft™ Windows™ XP Professional SP1a, SP2, Microsoft Windows XP Home SP1a, SP2, Win2K SP4, and Microsoft Vista Business Edition. ultraportable notebook.
- PC-DOS 2000 — minimum support.

  Note: Previous versions of this operating system are not supported.

For a list of completed Linux™ certifications, visit

  http://www.lenovo.com/pc/support/site.wss/MIGR-48NT8D.html

Operating systems other than those preinstalled on the systems may not provide full-feature functionality. To view considerations or Service Hints and Tips by operating system, visit

  http://www.lenovo.com/think/support

- In the middle of the screen, in the Quick path to a product field, enter your system's four-digit machine type and model number.
- On the left side of the page, click Hints and Tips.

Compatibility and supported products

Contact your ThinkPad representative for a list of supported features and options.

PC card: The ThinkPad X60s notebook conforms to the PC Card Standard 95. The PC Card Standard encompasses both the former 16-bit Release 2.1 card standard and the new 32-bit CardBus card. Other PC card adapters that comply with the PC Card Standard may also function, but have not been tested by Lenovo.

Vendor software compatibility

Lenovo tests a large number of commonly used and available applications for compatibility with its ThinkPad systems using supporting operating systems and configurations. In general, you can expect that most vendor applications designed to run on supported operating systems and Intel®-compatible system architectures should be compatible with a ThinkPad system. Some configurations, however, may not be compatible.

Lenovo does not warrant or support vendor software products, nor guarantee compatibility of those products with Lenovo systems. Refer to the applicable warranty and license terms provided by the respective vendors.

ThinkPad X60s notebooks contain BIOS in their flash ROM and a GUI to set up the system and power management features for Windows users. BIOS provides the hardware instructions and interfaces designed to support the standard features of the ThinkPad X60s notebook computer.

Limitations: For a list of tips about running various versions of operating systems, visit

  http://www.lenovo.com/think/support

Select Notebooks Support, ThinkPad X60s notebook, and Hints and Tips.

Note: Wi-Fi wireless upgradable systems are designed to operate only with wireless LAN mini-PCIe options sold by Lenovo. Systems are not wireless upgradable in all countries.

Planning information

Cable orders: All cables are included in the shipment group.

Installability: The ThinkPad X60s ultraportable notebook requires approximately 20 minutes for installation. Installation includes unpacking, setting up, and powering on the system. Additional time is required to install optional memory and other optional features.

Packaging

Shipment group

- System unit with U.S. English keyboard
- Worldwide ac adapter
- Country-specific line cord
- Rechargeable battery pack (Li-Ion)
- TrackPoint® caps
- Publications group:
    - ThinkPad X60s Notebook Setup Guide
    - ThinkPad X60s Notebook Troubleshooting Guide
    - Envelope Group BM (Miscellaneous Envelope): Insurance brochure

Supplies: None

Security, auditability, and control

Standard security features

Passwords: These password protection mechanisms are available:

- Power-on passwords to help protect the system from unauthorized use
- Supervisor password for use by a system administrator
- HDD password to help protect data on the removable HDD

In addition, an optional locking device in the security slot provides physical security.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

IBM credit corporation financing: Yes

To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or Lenovo.

In the United States, call 800-426-7378 or write to:

Warranty Information

500 Park Offices Drive

Research Triangle Park, NC 27709

Attn: Dept ZPYA/B600

Warranty period

- System hardware — Three years on parts and labor

- System battery — One year

Optional Lenovo features initially installed in a Lenovo system carry the same warranty period as the system. If installed after the initial system installation, they carry the balance of the system warranty or the optional feature warranty, whichever is greater.

Warranty service: If required, your service provider provides repair or exchange service depending on the type of warranty service specified below for the machine. A service technician will attempt to resolve your problem over the telephone. You must follow the problem determination and resolution procedures. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations. Additional charges may apply outside your service provider's normal service area. Contact your local service provider representative or your reseller for country- and location-specific information.

Customer replaceable unit (CRU) service: Lenovo will ship CRUs to you for you to install. Tier 1 CRUs are easy to install whereas Tier 2 CRUs require some technical skill and tools. CRU information and replacement instructions are shipped with your machine and are available from Lenovo at any time on your request. You may request that a service provider install CRUs, at no additional charge, under the type of warranty service designated for your machine. Lenovo specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned. When return is required, return instructions and a container are shipped with the replacement CRU. You may be charged for the replacement CRU if Lenovo does not receive the defective CRU within 30 days of your receipt of the replacement.

Courier or depot service: You will disconnect the failing machine for collection arranged by your service provider. A shipping container will be provided to you for you to return your machine to a designated service center. A courier will pick up your machine and deliver it to the designated service center. Following its repair or exchange, the service center will arrange the return delivery of the machine to your location. You are responsible for its installation and verification.

This type of service is called EasyServ in the U.S. and Canada.

Call 800-426-7378 to assist with problem isolation for hardware to determine if warranty service is required. Telephone support may be subject to additional charges, even during the limited warranty period. If a hardware problem is identified, the Customer Support Center will either initiate the shipment of a CRU or arrange for a courier to pick up the system for overnight delivery (where available) to the repair location. Most repairs should be made within 48 hours after the system is received at the repair location (actual repair time may vary). Keep the original shipping carton for shipping to the repair location. If the original shipping carton is not available, the courier will deliver a shipping carton and return to pick up the system for delivery to the repair location.

International Warranty Service (IWS): IWS is available during the warranty period to customers who travel or relocate to countries where their computer is sold and serviced by a service provider authorized to perform warranty service. Eligible Lenovo computers are identified by their four-digit machine type.

You can obtain IWS through the method of service, such as CRU, depot, carry-in or on-site, provided in the servicing country. Service methods and procedures vary by country, and some service or parts may not be available in all countries. Service centers in certain countries may not be able to service all models of a particular machine type. In addition, some countries may have fees and restrictions that apply at the time of service.

Note: Due to the earth's magnetic field, CRT monitors are manufactured to work in northern, southern, and equatorial regions of the earth and may not produce a satisfactory image when moved between them. Any required adjustment (if possible) is not covered under IWS and may be subject to a chargeable action. The magnetic field does not affect flat-panel LCD monitors and ThinkPad LCD displays.

Licensing: Programs included with this product are licensed under the terms and conditions of the license agreements that are shipped with the system.

ThinkPlus™ services

Warranty and maintenance options: The announced products may be eligible for ThinkPlus maintenance services, convenient prepackaged offerings for warranty service upgrades and maintenance services.

Installation services: The announced products may be eligible for ThinkPlus installation services, convenient prepackaged offerings for installation services.

Refer to the Prices section for information on the availability of ThinkPlus Services.

Field-installable features: Yes

Model conversions: No

Machine installation: Customer setup. Customers are responsible for installation according to the instructions Lenovo provides with the machine.

Graduated program license charges apply: No. This product does not contain licensed internal code or licensed machine code.

Educational allowance: None

Prices

Mobile products

All models have a modem, Gigabit Ethernet, UltraConnect antenna, Client Security Solution, Secure Digital slot with input/output support, 12.1-inch XGA (1024 x 768) resolution TFT, and Intel 945GM chipset. Models without wireless LAN are wireless LAN upgradable. Only models with combination of the Intel Core 2 Duo processor, Intel 945GM chipset, and Intel PRO/Wireless have Intel Centrino® Duo mobile technology.

Preloads are described in the Description section of this document.

U.S. English machines

Description	Part number	Machine type/ model
ThinkPad X60s (60.0 GB / 5400 rpm, Intel Core 2 Duo processor L7400, 512 MB, 12.1-in TFT (1024 x 768), 8-cell battery, Intel PRO/Wireless 3945ABG, Windows XP Professional)	1702L6U	1702-L6U
ThinkPad X60s (80.0 GB / 5400 rpm, Intel Core 2 Duo processor L7400, 1GB (2x512 MB SODIMM), 12.1-in TFT (1024 x 768), 8-cell battery, Intel PRO/Wireless 3945ABG, Windows XP Professional)	1702L8U	1702-L8U
ThinkPad X60s (80.0 GB / 5400 rpm, Intel Core 2 Duo processor L7400, 1GB (2 x 512 MB SODIMM), 12.1-in TFT (1024 x 768), 4-cell battery, Intel PRO/Wireless 3945ABG,	1702M7U	1702-M7U

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Bluetooth wireless technology,
fingerprint reader,
Windows XP Professional)
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Note: For pricing information, contact your IBM representative.

ThinkPlus services for warranty and maintenance

The offerings below apply to all models of machine type 1702.

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                                        ThinkPlus
Description                             part number

2-year IOR 9 x 5 NBD                    41C9175
3-year IOR 9 x 5 NBD                    41C9176
4-year IOR 9 x 5 NBD                    41C9177
5-year IOR 9 x 5 NBD                    41C9179
4-year P&L P/U Depot                    41C9178
5-year P&L P/U Depot                    41C9180
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ThinkPlus MA for post warranty/warranty service upgrade service

```
                                        ThinkPlus
Description                             part number

1-year IOR 9 x 5 NBD                    41C9279
1-year P&L P/U Depot                    41C9278
2-year IOR 9 X 5 NBD                    41C9281
2-year P&L P/U Depot                    41C9280
```

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