



ThinkServer Warranty and Support Information



ThinkThink**ThinkServer**Think

Machine Types: 1027, 1029, 1039, and 1040

lenovo

ThinkServer
Warranty and Support
Information

Note

Before using this information and the product it supports, be sure to read and understand the following:

- Chapter 4, "Notices," on page 17
- The *Important Notices* and the *Safety Information* manuals that are included with the product

First Edition (April 2010)

© Copyright Lenovo 2010.

LENOVO products, data, computer software, and services have been developed exclusively at private expense and are sold to governmental entities as commercial items as defined by 48 C.F.R. 2.101 with limited and restricted rights to use, reproduction and disclosure.

LIMITED AND RESTRICTED RIGHTS NOTICE: If products, data, computer software, or services are delivered pursuant a General Services Administration "GSA" contract, use, reproduction, or disclosure is subject to restrictions set forth in Contract No. GS-35F-05925.

Contents

Chapter 1. Information resources.	1
ThinkServer Web site (http://www.lenovo.com/thinkserver)	1
Documentation	1
Help and service	2
Before you call.	2
Calling for service	2
Lenovo product service information for Taiwan.	6
Chapter 2. Lenovo Limited Warranty	7
Warranty Information	11
Suplemento de Garantía para México.	14
Chapter 3. Customer Replaceable Units (CRUs)	15
Chapter 4. Notices	17
Turkish statement of compliance	18
European conformance CE mark	18
Trademarks	18

Chapter 1. Information resources

This chapter contains information about where to go for additional information about Lenovo® products, what to do if you experience a problem with your system, and how to call for help and service.

ThinkServer Web site (<http://www.lenovo.com/thinkserver>)

The ThinkServer™ Web site provides up-to-date information and services to help you buy, upgrade, and maintain your server. You can also do the following:

- Access the Lenovo Limited Warranty
- Access the online manuals for your products
- Access the troubleshooting and support information for your server model and other supported products
- Download the latest device drivers and software updates for your server model
- Find the service and support phone number for your country or region
- Find a Service Provider located near you

Documentation

The *ThinkServer Documentation* DVD is included with your server and provides the following manuals:

Installation and User Guide

This manual contains safety information, setup instructions, hardware and software requirements, part replacement instructions, and configuration instructions.

Safety Information

This multilingual manual contains safety and Regulatory Emissions notices.

If you experience a problem with your server, refer to the troubleshooting and diagnostics information in the *Installation and User Guide*. In addition, you can refer to the *Hardware Maintenance Manual*, which contains safety information, features and specifications, software configuration information, part listings, component replacement and repair procedures, and diagnostic information.

The *Hardware Maintenance Manual* is available at:

<http://www.lenovo.com/support>

If you suspect a software problem, refer to the documentation, including readme files and online help, that comes with the operating system or application program.

You can get the latest technical information and download device drivers and updates by following the instructions at the following Lenovo Support Web site:

<http://www.lenovo.com/support>

Help and service

This section contains information about calling for help and service.

Before you call

Before you call, do the following to try to solve the problem by yourself:

- Check all cables to make sure that they are connected.
- Check the power switches to make sure that the system and optional devices are turned on.
- Use the troubleshooting information in your system documentation, which is available on the *ThinkServer Documentation* DVD that comes with your system.
- Check for updated information, new device drivers, and hints and tips at the following Lenovo Support Web site:
<http://www.lenovo.com/support>
- Have the following information available:
 - Machine type and model
 - Serial numbers of your Lenovo hardware products
 - Description of the problem
 - Exact wording of any error messages
 - Hardware and software configuration information

Calling for service

During the warranty period, you can get help and information by telephone through the Customer Support Center.

The following services are available during the warranty period:

Problem determination

Trained personnel are available to assist you with determining a hardware problem and deciding what action to take to fix the problem.

Hardware repair

If the problem is caused by hardware under warranty, trained service personnel are available to provide the applicable level of service.

Engineering Change management

There might be changes that are required after a product has been sold. Lenovo will make selected Engineering Changes (ECs) that apply to your hardware available.

The warranty does not cover the following:

- Replacement or use of parts not manufactured for or by Lenovo or non-warranted Lenovo parts
- Identification of software problem sources
- Configuration of the Unified Extensible Firmware Interface (UEFI) as part of an installation or upgrade
- Changes, modifications, or upgrades to devices drivers
- Installation and maintenance of network operating systems (NOS)
- Installation and maintenance of application programs

Telephone numbers are subject to change without notice. The most up-to-date telephone list for Lenovo Support is always available at:

<http://www.lenovo.com/support/phone>

Country or Region	Telephone Number
Africa	Africa: +44 (0)1475-555-055 South Africa: +27-11-3028888, 0800110756, and +27-11-3027252 Central Africa: Contact the nearest Lenovo Business Partner
Argentina	0800-666-0011 (Spanish)
Australia	1300-880-917 (English)
Austria	+43-810-100654 (German)
Belgium	02-225-3611 (Dutch, French)
Bolivia	0800-10-0189 (Spanish)
Brazil	Calls made from within the Sao Paulo region (11) 3889-8986 Calls made from outside the Sao Paulo region 0800-701-4815 (Brazilian Portuguese)
Bulgaria	359-2-9734618 359-2-9693650

Country or Region	Telephone Number
Canada	1-800-565-3344 (English, French)
Chile	800-361-213 or 188-800-442-488 Toll Free (Spanish)
China (Hong Kong S.A.R.)	8205-0333 (Cantonese, English, Mandarin)
China (Macau S.A.R.)	795-9892 (Cantonese, English, Mandarin)
Colombia	1-800-912-3021 (Spanish)
Costa Rica	0-800-011-1029 (Spanish)
Croatia	Calls within the country: 0800-0426 Calls outside the country: +385-1-6110095
Cyprus	+357-22-841100
Czech Republic	+420-2-7213-1316
Denmark	Warranty service and support: 7010-5150 (Danish)
Dominican Republic	1-866-434-2080 (Spanish)
Ecuador	1-800-426911 (Spanish)
Egypt	+202-35361005
El Salvador	800-6264 (Spanish)
Estonia	+372 66 00 800 +372 6776793
Finland	+358-800-1-4260 (Finnish)
France	0810-631-213 (French)
Germany	01805-004618 (German)
Greece	+30-210-680-1700
Guatemala	1800-624-0051 (Spanish)
Hungary	36-1-382-5720 36-1-382-5716 (Hungarian)
Honduras	Tegucigalpa: 232-4222 San Pedro Sula: 552-2234 (Spanish)
India	1800-425-6666 (English)
Indonesia	021-5238 823 001-803-606-282 (Local number only) +603 8315 6859 (DID) (English, Bahasa Indonesian)
Ireland	01-881-1444 (English)
Israel	+972-3-9142800 (Hebrew, English)
Italy	+39-800-820094 (Italian)

Country or Region	Telephone Number
Japan	0120-03-5555 (Japanese)
Korea	1588-6782 (Korean)
Latvia	+371 7070360
Lithuania	+370 5 278 66 00
Luxembourg	+352-360-385-343 (French)
Malaysia	1800-88-1889 (Local number only) +603 8315 6855 (DID) (English, Bahasa Melayu)
Malta	+35621445566
Mexico	001-866-434-2080 (Spanish)
Middle East	+44 (0)1475-555-055
Netherlands	020-513-3939 (Dutch)
New Zealand	0800-777-217 (English)
Nicaragua	001-800-220-1830 (Spanish)
Norway	8152-1550 (Norwegian)
Panama	206-6047 001-866-434-2080 (Lenovo Customer Support Center - toll free) (Spanish)
Peru	0-800-50-866 (Spanish)
Philippines	1800-1601-0033 (Local number only) +603-8315 6858 (DID) (English, Filipino)
Poland	General number: +48-22-878-6999 (Polski)
Portugal	+351 21 892 7046 (Portuguese)
Romania	+4-021-40-58500
Russia	Moscow: +7 (495) 258 6300 Toll free: 8 800 200 6300 (Russian)
Singapore	800-6011-343 (Local number only) +603-8315 6859 (DID) (English)
Slovakia	+421-2-4954-5555
Slovenia	+386-1-4255-205 (Slovenian)
Spain	91-714-7830 or 90-110-0000 (Spanish)
Sri Lanka	+9411 2493547 or +9411 2493548 (English)
Sweden	077-117-1040 (Swedish)
Switzerland	0800-55-54-54 (German, French, Italian)
Taiwan	886-2-8723-9799 or 0800-000-700 (Mandarin)

Country or Region	Telephone Number
Thailand	1800-060-066 (Local number only) 66-2273-4088 +603-8315 6857 (DID) (English, Thai)
Turkey	00800-4463-2041 (Turkish)
United Kingdom	08705-500-900 (Standard warranty support) (English)
United States	1-800-426-7378 (English)
Uruguay	000-411-005-6649 (Spanish)
Venezuela	0-800-100-2011 (Spanish)
Vietnam	For Northern Area and Hanoi City: 844 3 946 2000 / 844 3 942 6457 For Southern Area and Ho Chi Minh City: 848 3 829 5160 / 844 3 942 6457 (English, Vietnamese)

Refer to Chapter 2, “Lenovo Limited Warranty,” on page 7 for a complete explanation of warranty terms. You must retain your proof of purchase to obtain warranty service.

Lenovo product service information for Taiwan

台灣 Lenovo 產品服務資訊如下：
荷蘭商聯想股份有限公司台灣分公司
台北市信義區信義路五段七號十九樓之一
服務電話：0800-000-700

Chapter 2. Lenovo Limited Warranty

L505-0010-01 04/2008

This Lenovo Limited Warranty applies only to Lenovo branded hardware products you purchased for your own use and not for resale. This Lenovo Limited Warranty is available in other languages at www.lenovo.com/warranty.

What this Warranty Covers

Lenovo warrants that each hardware product that you purchase is free from defects in materials and workmanship under normal use during the warranty period. The warranty period for the product starts on the original date of purchase specified on your sales receipt or invoice unless Lenovo informs you otherwise in writing. The warranty period and type of warranty service that apply to your product are designated below under the section titled "**Warranty Information.**"

THIS WARRANTY IS YOUR EXCLUSIVE WARRANTY AND REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES APPLY ONLY TO THE EXTENT REQUIRED BY LAW AND ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME STATES OR JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION ON DURATION MAY NOT APPLY TO YOU.

How to Obtain Warranty Service

If the product does not function as warranted during the warranty period, you may obtain warranty service by contacting Lenovo or an approved service provider. Each of them is referred to as a "Service Provider." A list of Service Providers and their telephone numbers is available at www.lenovo.com/support/phone.

Warranty service may not be available in all locations and may differ from location to location. Charges may apply outside a Service Provider's normal service area. Contact a local Service Provider for location-specific information.

What Your Service Provider Will Do to Correct Problems

When you contact a Service Provider, you must follow the problem determination and resolution procedures specified.

Your Service Provider will attempt to diagnose and resolve your problem over the telephone, e-mail, or through remote assistance. Your Service Provider may direct you to download and install designated software updates.

Some problems can be resolved with a replacement part that you can install yourself called a "Customer Replaceable Unit" or "CRU." If so, your Service Provider will ship the CRU to you for you to install.

If your problem cannot be resolved over the telephone or remotely, through your application of software updates or the installation of a CRU by you, your Service Provider will arrange for service under the type of warranty service designated for the product under the section titled "**Warranty Information.**"

If your Service Provider determines that it is unable to repair your product, your Service Provider will replace it with one that is at least functionally equivalent.

If your Service Provider determines that it is unable to either repair or replace your product, your sole remedy is to return the product to your place of purchase or to Lenovo for a refund of your purchase price.

Replacement of a Product or Part

When the warranty service involves the replacement of a product or part, the replaced product or part becomes Lenovo's property and the replacement product or part becomes your property. Only unaltered Lenovo products and parts are eligible for replacement. The replacement product or part provided by Lenovo may not be new, but it will be in good working order and at least functionally equivalent to the original product or part. The replacement product or part shall be warranted for the balance of the period remaining on the original product.

Before your Service Provider replaces a product or part, you agree to:

1. remove all features, parts, options, alterations, and attachments not under warranty service;
2. ensure that the product or part is free of any legal obligations or restrictions that prevent its replacement; and
3. obtain authorization from the owner to have your Service Provider service a product or part if you do not own it.

Your Additional Responsibilities

Where applicable, before service is provided, you agree to:

1. follow the service request procedures that your Service Provider specifies;
2. backup or secure all programs and data contained in the product;
3. provide your Service Provider with all system keys or passwords and sufficient, free, and safe access to your facilities to perform service; and
4. ensure that all information about identified or identifiable individuals ("Personal Data") is deleted from the product or that, with respect to any Personal Data that you did not delete, you are in compliance with all applicable laws.

Use of Personal Information

If you obtain service under this warranty, Lenovo will store, use, and process information about your warranty service and your contact information, including name, phone numbers, address, and e-mail address. Lenovo will use this information to perform service under this warranty and to improve our business relationship with you. We may contact you to inquire about your satisfaction regarding our warranty service or to notify you about any product recalls or safety issues. In accomplishing these purposes, we may transfer your information to any country where we do business and may provide it to entities acting on our behalf. We may also disclose it where required by law.

What this Warranty Does not Cover

This warranty does not cover the following:

- uninterrupted or error-free operation of a product;
- loss of, or damage to, your data;
- any software programs, whether provided with the product or installed subsequently;
- failure or damage resulting from misuse, accident, modification, unsuitable physical or operating environment, natural disasters, power surges, or improper maintenance by you;
- damage caused by a non-authorized service provider;
- failure of, or damage caused by, any third party products, including those that Lenovo may provide or integrate into the Lenovo product at your request; and
- any technical or other support, such as assistance with "how-to" questions and those regarding product set-up and installation.

This warranty is voided by removal or alteration of identification labels on the product or its parts.

Limitation of Liability

Lenovo is responsible for loss or damage to your product only while it is: 1) in your Service Provider's possession; or 2) in transit in those cases where the Service Provider is responsible for the transportation.

Neither Lenovo nor your Service Provider is responsible for any of your data including confidential, proprietary, or personal data contained in a product. You should remove and/or backup all such information from the product prior to its service or return.

Circumstances may arise where, because of a default on Lenovo's part or other liability, you may be entitled to recover damages from Lenovo. In each such instance, regardless of the basis of your claim against Lenovo (including breach, negligence, misrepresentation, or other contract or tort claim), except and to the extent that liability cannot be waived or limited by applicable laws, Lenovo shall not be liable for more than the amount of actual direct damages suffered by you, up to the amount you paid for the product. This limit does not apply to damages for bodily injury (including death) and damage to real property or tangible personal property for which Lenovo is liable under law.

This limit also applies to Lenovo's suppliers, resellers, and your Service Provider. It is the maximum amount for which Lenovo, its suppliers, resellers, and your Service Provider are collectively responsible.

UNDER NO CIRCUMSTANCES SHALL LENOVO, ITS SUPPLIERS, RESELLERS, OR SERVICE PROVIDERS BE LIABLE FOR ANY OF THE FOLLOWING EVEN IF INFORMED OF THEIR POSSIBILITY: 1) THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES; 2) LOSS OR DAMAGE TO YOUR DATA; OR 3) SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, BUSINESS REVENUE, GOODWILL OR ANTICIPATED SAVINGS. AS SOME STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Dispute Resolution

If you acquired the product in **Cambodia, Indonesia, Philippines, Vietnam or Sri Lanka**, disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Singapore and this warranty shall be governed, construed and enforced in accordance with the laws of Singapore, without regard to conflict of laws. If you acquired the product in **India**, disputes arising out of or in connection with this warranty shall be finally settled by arbitration held in Bangalore, India. Arbitration in Singapore shall be held in accordance with the Arbitration Rules of Singapore International

Arbitration Center ("SIAC Rules") then in effect. Arbitration in India shall be held in accordance with the laws of India then in effect. The arbitration award shall be final and binding on the parties without appeal. Any award shall be in writing and set forth the findings of fact and the conclusions of law. All arbitration proceedings, including all documents presented in such proceedings, shall be conducted in the English language, and the English language version of this warranty prevails over any other language version in such proceedings.

Other Rights

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR JURISDICTION TO JURISDICTION. YOU MAY ALSO HAVE OTHER RIGHTS UNDER APPLICABLE LAW OR WRITTEN AGREEMENT WITH LENOVO. NOTHING IN THIS WARRANTY AFFECTS STATUTORY RIGHTS, INCLUDING RIGHTS OF CONSUMERS UNDER NATIONAL LEGISLATION GOVERNING THE SALE OF CONSUMER GOODS THAT CANNOT BE WAIVED OR LIMITED BY CONTRACT.

European Economic Area (EEA)

Customers in the EEA may contact Lenovo at the following address: EMEA Service Organisation, Lenovo (International) B.V., Floor 2, Einsteinova 21, 851 01, Bratislava, Slovakia. Service under this warranty for Lenovo hardware products purchased in EEA countries may be obtained in any EEA country in which the product has been announced and made available by Lenovo.

Warranty Information

Machine Type	Country or Region of Purchase	Warranty Period	Type(s) of Warranty Service
1039	United States, Canada, Latin America, Europe, Middle East, Africa	Parts and labor - 1 year	1 and 2
	Australia, New Zealand, Japan	Parts and labor - 1 year	1 and 2
1040	United States, Canada, Latin America, Europe, Middle East, Africa	Parts and labor - 3 years	1 and 2
	Australia, New Zealand, Japan	Parts and labor - 3 years	1 and 2

Machine Type	Country or Region of Purchase	Warranty Period	Type(s) of Warranty Service
1027	United States, Canada, Latin America, Europe, Middle East, Africa	Parts and labor - 1 year	1 and 2
	Australia, New Zealand, Japan	Parts and labor - 1 year	1 and 2
1029	United States, Canada, Latin America, Europe, Middle East, Africa	Parts and labor - 3 years	1 and 2
	Australia, New Zealand, Japan	Parts and labor - 3 years	1 and 2

If required, your Service Provider will provide repair or exchange service depending on the type of warranty service specified for your product and the available service. Scheduling of service will depend upon the time of your call, parts availability, and other factors.

A warranty period of three (3) years on parts and one (1) year on labor means that Lenovo will provide warranty service without charge for:

- a. parts and labor during the first year of the warranty period (or a longer period as required by law); and
- b. parts only, on an exchange basis, in the second and third years of the warranty period. Your Service Provider will charge you for any labor provided in performance of the repair or replacement in the second and third years of the warranty period.

Types of Warranty Service

1. Customer Replaceable Unit ("CRU") Service

Under CRU Service, your Service Provider will ship CRUs to you for installation by you. CRU information and replacement instructions are shipped with your product and are available from Lenovo at any time upon request. CRUs that are easily installed by you are called Self-service CRUs, while Optional-service CRUs may require some technical skill and tools. Installation of Self-service CRUs is your responsibility. You may request that a Service Provider install Optional-service CRUs under one of the other types of warranty service designated for your product. An optional service offering may be available for purchase from Lenovo to have Lenovo install Self-service CRUs for you. You may find a list of CRUs and their designation in the publication that ships with your product or at www.lenovocom/CRUs. The

requirement to return a defective CRU, if any, will be specified in the materials shipped with a replacement CRU. When return is required: 1) return instructions, a prepaid return shipping label, and a container will be included with the replacement CRU; and 2) you may be charged for the replacement CRU if your Service Provider does not receive the defective CRU within thirty (30) days of your receipt of the replacement.

2. On-site Service

Under On-Site Service, your Service Provider will either repair or exchange the product at your location. You must provide a suitable working area to allow disassembly and reassembly of the Lenovo product. For some products, certain repairs may require your Service Provider to send the product to a designated service center.

3. Courier or Depot Service

Under Courier or Depot Service, your product will be repaired or exchanged at a designated service center, with shipping arranged by your Service Provider. You are responsible for disconnecting the product. A shipping container will be provided to you for you to return your product to a designated service center. A courier will pick up your product and deliver it to the designated service center. Following its repair or exchange, the service center will arrange the return delivery of the product to you.

4. Customer Carry-In or Mail-In Service

Under Customer Carry-In or Mail-In Service, your product will be repaired or exchanged at a designated service center, with delivery or shipping arranged by you. You are responsible to deliver or mail, as your Service Provider specifies, (prepaid by you unless specified otherwise) the product, suitably packaged to a designated location. After the product has been repaired or exchanged, it will be made available for your collection. Failure to collect the product may result in your Service Provider disposing of the product as it sees fit. For Mail-in Service, the product will be returned to you at Lenovo's expense, unless your Service Provider specifies otherwise.

5. Product Exchange Service

Under Product Exchange Service, Lenovo will ship a replacement product to your location. You are responsible for its installation and verification of its operation. The replacement product becomes your property in exchange for the failed product, which becomes the property of Lenovo. You must pack the failed product in the shipping carton used to ship the replacement product and return it to Lenovo. Transportation charges, both ways, are paid by Lenovo. Failure to use the carton in which the replacement product was received may

result in your responsibility for damage to the failed product during shipment. You may be charged for the replacement product if Lenovo does not receive the failed product within thirty (30) days of your receipt of the replacement product.

Suplemento de Garantía para México

Este Suplemento se considera parte integrante de la Garantía Limitada de Lenovo y será efectivo única y exclusivamente para los productos distribuidos y comercializados dentro del Territorio de los Estados Unidos Mexicanos. En caso de conflicto, se aplicarán los términos de este Suplemento.

Todos los programas de software precargados en el equipo sólo tendrán una garantía de treinta (30) días por defectos de instalación desde la fecha de compra. Lenovo no es responsable de la información incluida en dichos programas de software y/o cualquier programa de software adicional instalado por Usted o instalado después de la compra del producto.

Los servicios no cubiertos por la garantía se cargarán al usuario final, previa obtención de una autorización.

En el caso de que se precise una reparación cubierta por la garantía, por favor, llame al Centro de soporte al cliente al 001-866-434-2080, donde le dirigirán al Centro de servicio autorizado más cercano. Si no existiese ningún Centro de servicio autorizado en su ciudad, población o en un radio de 70 kilómetros de su ciudad o población, la garantía incluirá cualquier gasto de entrega razonable relacionado con el transporte del producto a su Centro de servicio autorizado más cercano. Por favor, llame al Centro de servicio autorizado más cercano para obtener las aprobaciones necesarias o la información relacionada con el envío del producto y la dirección de envío.

Para obtener una lista de los Centros de servicio autorizados, por favor, visite: <http://www.lenovo.com/mx/es/servicios>

Imported by:

Lenovo México S. de R.L. de C.V.

Av. Santa Fe 505, Piso 15

Col. Cruz Manca

Cuajimalpa, D.F., México

C.P. 05349

Tel. (55) 5000 8500

Chapter 3. Customer Replaceable Units (CRUs)

Customer Replaceable Units (CRUs) are computer parts that can be upgraded or replaced by the customer. There are two types of CRUs: Self-service CRUs and Optional-service CRUs. Self-service CRUs are easy to install. They might be standalone, latched, or require a screwdriver to remove a maximum of two screws. However, Optional-service CRUs require some technical skills and in some cases might also require simple tools, such as a screwdriver. However, both Self-service and Optional-service CRUs are safe for the customer to remove.

Customers are responsible for replacing all Self-service CRUs. Optional-service CRUs can be removed and installed by customers or by a Lenovo service technician during the warranty period. Lenovo servers contain both Self-service and Optional-service CRUs.

- **Self-service CRUs:** These CRUs unplug or are secured by no more than two screws. Examples of these types of CRUs include the keyboard, the mouse, any USB device, and the power cord. Other Self-service CRUs depending on product design might include memory modules, adapter cards, hard disk drives, and optical drives.
- **Optional-service CRUs:** These CRUs are isolated parts within the server and are concealed by an access panel that is typically secured by more than two screws. Once the access panel is removed, the specific CRU is visible.
- Both types of CRUs are listed in the following table.

The *Installation and User Guide* provides instructions on how to replace Self-service CRUs and Optional-service CRUs. Refer to the following table to determine which publication contains the instructions you need. The publications are available on the *ThinkServer Documentation DVD* and also the Lenovo Web site at:

<http://www.lenovo.com/support>

Table 1. CRUs for the TD230 server

List of machine types: 1039, 1040, 1027, and 1029.	
Self-service CRUs	Optional-service CRUs
<ul style="list-style-type: none">• Memory module• Mouse• Keyboard• Ethernet/RAID cards	<ul style="list-style-type: none">• Optical drive• Fans• Hard disk drive

Chapter 4. Notices

Lenovo may not offer the products, services, or features discussed in this document in all countries. Consult your local Lenovo representative for information on the products and services currently available in your area. Any reference to a Lenovo product, program, or service is not intended to state or imply that only that Lenovo product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any Lenovo intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any other product, program, or service.

Lenovo may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

*Lenovo (United States), Inc.
1009 Think Place - Building One
Morrisville, NC 27560
U.S.A.
Attention: Lenovo Director of Licensing*

LENOVO PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. Lenovo may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

The products described in this document are not intended for use in implantation or other life support applications where malfunction may result in injury or death to persons. The information contained in this document does not affect or change Lenovo product specifications or warranties. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Lenovo or third parties. All information contained in this document was obtained in specific environments and is presented as an illustration. The result obtained in other operating environments may vary.

Lenovo may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Any references in this publication to non-Lenovo Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this Lenovo product, and use of those Web sites is at your own risk.

Any performance data contained herein was determined in a controlled environment. Therefore, the result obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Turkish statement of compliance

The Lenovo product meets the requirements of the Republic of Turkey Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (EEE).

Türkiye EEE Yönetmeliğine Uygunluk Beyanı

Bu Lenovo ürünü, T.C. Çevre ve Orman Bakanlığı'nın "Elektrik ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlandırılmasına Dair Yönetmelik (EEE)" direktiflerine uygundur.

EEE Yönetmeliğine Uygundur.

European conformance CE mark



Trademarks

Lenovo, the Lenovo logo, and ThinkServer are trademarks of Lenovo in the United States, other countries, or both.

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

lenovo®

Printed in USA

Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>