

**ThinkPad**

**Hard Disk Drive**

**User's Guide**

**Note:** Before using this information and the product it supports, read the information in Appendix A, "Service and Support," on page A-1, Appendix B, "Warranty information," on page B-1, and Appendix C, "Notices," on page C-1.

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## Preface

You can increase the storage capacity of your ThinkPad® computer by replacing the ThinkPad Hard Disk Drive with one of greater capacity.

Your option package contains the following:

- ThinkPad Hard Disk Drive
- *ThinkPad Hard Disk Drive User's Guide*

If any of the items listed above are missing or damaged, contact your place of purchase. Be sure to retain your proof of purchase; it might be required to receive warranty service.

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## Registering your option

Thank you for purchasing this Lenovo™ product. Please take a few moments to register your product and provide us with information that will help Lenovo to better serve you in the future. Your feedback is valuable to us in developing products and services that are important to you, as well as in developing better ways to communicate with you. Register your option on the following Web site:

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

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## About your ThinkPad Hard Disk Drive

This section provides information on handling and replacing your ThinkPad Hard Disk Drive.

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### Handling the hard disk drive

To protect your hard disk drive, observe the following precautions:

- Keep the drive in its static-protective bag until you are ready to install the drive in your ThinkPad computer. If you must put the drive down, place the static-protective bag on a flat, padded surface, and place the drive on the bag with the component side facing up.
- Handle the drive with care. Dropping or jarring the drive can damage the components inside the drive housing.
- Limit your movement. Movement can cause static electricity buildup.
- Do not subject the drive to physical shocks.
- Handle the drive by the edges.
- Do not touch any exposed components on the drive.
- Do not apply pressure to the cover of the drive.

**Attention:**

The drive is very sensitive. Incorrect handling can cause damage and permanent loss of data on the hard disk. Before removing the hard disk drive, make a backup copy of all the information on the hard disk, and then turn the computer off. Never remove the drive while the system is operating, in standby mode, or in hibernation mode.

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### Replacing the hard disk drive

Replace the hard disk drive only if you upgrade it or have it repaired. The connectors and bay of the hard disk drive were not designed for frequent changes or drive swapping.

**Note:** The following procedure may vary depending on the model of your ThinkPad computer. For more detailed instructions, refer to your system documentation.

To replace the hard disk drive, complete the following procedure:

1. Turn off your ThinkPad computer.
2. Disconnect the ac adapter and all cables from the computer.

3. Close the display and turn the computer over.
4. Remove the battery.
5. Remove the screw that secures the hard disk drive.
6. Remove the cover, then remove the hard disk drive by pulling on the tab.
7. Detach the side rubbers from the hard disk drive.
8. Unpack the new hard disk drive.

**Attention**

Before you unpack the hard disk drive, be sure to read "Handling the hard disk drive" on page 1-1.

9. Attach the side rubbers to the new hard disk drive.
10. Insert the hard disk drive with the attached side rubbers into the hard disk drive bay; then firmly install them and replace the cover.
11. Reinstall the screw.

**Note:** You can replace the screw with a security screw to prevent the hard disk drive from being easily removed. The security screw may not be included in your ship group. However, you can purchase screws directly from NABS at [www.nabsnet.com](http://www.nabsnet.com).

12. Reinstall the battery.
13. Connect the ac adapter and cables to the computer.



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## A propos de l'unité de disque dur de votre ThinkPad

La présente section fournit des informations sur la manipulation et le remplacement de l'unité de disque dur de votre ThinkPad.

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### Manipulation de l'unité de disque dur

Pour protéger votre unité de disque dur, respectez les consignes suivantes :

- Conservez l'unité dans son emballage antistatique jusqu'à ce que vous l'installiez. Si vous devez la poser, placez-la sur cet emballage, sur une surface plane et rembourrée, côté composants vers le haut.
- Manipulez l'unité avec soin. Toute chute ou secousse peut endommager les composants de la baie d'unité.
- Limitez vos mouvements car ils pourraient générer de l'électricité statique.
- Ne soumettez l'unité à aucun choc.
- Tenez-la toujours pas les bords.
- Ne touchez aucun des composants de l'unité.
- N'exercez aucune pression sur le carter de l'unité.

#### **Attention :**

L'unité est très sensible. Toute manipulation incorrecte peut entraîner des dommages et une perte des données contenues sur le disque dur. Avant de retirer l'unité de disque dur, effectuez une copie de sauvegarde de toutes les informations du disque dur, puis mettez l'ordinateur hors tension. Ne retirez jamais l'unité lorsque le système est en fonctionnement, en mode veille ou en mode hibernation.

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### Remplacement de l'unité de disque dur

Ne remplacez l'unité de disque que si vous la mettez à niveau ou si elle doit être réparée. Les connecteurs et la baie de l'unité de disque dur ne sont pas conçus pour des changements ou des permutations fréquents.

**Remarque :** La procédure décrite ci-après peut varier selon le modèle de votre ThinkPad. Pour plus de détails, consultez la documentation de votre système.

Pour remplacer l'unité de disque dur, procédez comme suit :

1. Mettez le ThinkPad hors tension.
2. Débranchez le boîtier d'alimentation et tous les câbles.

3. Rabattez l'écran et retournez l'ordinateur.
4. Retirez la batterie.
5. Retirez la vis qui maintient l'unité de disque dur en place.
6. Retirez le carter, puis l'unité en la soulevant par la languette.
7. Détachez les parties latérales en caoutchouc de l'unité de disque dur.
8. Sortez la nouvelle unité de disque dur de son emballage.

**Attention**

Avant de procéder à cette opération, voir «Manipulation de l'unité de disque dur», à la page 1-3.

9. Remettez les parties latérales en caoutchouc sur la nouvelle unité de disque dur.
10. Insérez l'unité dans la baie, puis mettez-la en place et remettez le carter.
11. Remettez la vis.

**Remarque :** Vous pouvez remplacer cette vis par une vis de sécurité pour éviter qu'il ne soit trop facile de retirer l'unité de disque dur. Aucune vis de sécurité n'est fournie avec l'unité. Vous pouvez toutefois vous en procurer une auprès de NABS ([www.nabsnet.com](http://www.nabsnet.com)).

12. Réinstallez la batterie.
13. Rebranchez le boîtier d'alimentation et les câbles.

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## Sobre a Unidade de Disco Rígido ThinkPad

Esta seção fornece informações sobre como manipular e substituir a Unidade de Disco Rígido ThinkPad.

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### Manipulando a Unidade de Disco Rígido

Para proteger a unidade de disco rígido, tome as seguintes precauções:

- Mantenha a unidade em sua embalagem antiestática até o momento da instalação da unidade no computador ThinkPad. Se você precisar colocar a unidade na posição deitada, coloque a embalagem antiestática em uma superfície plana e revestida, colocando-a na embalagem com o lado do componente virado para cima.
- Manuseie a unidade com cuidado. Derrubar ou sacudir a unidade pode danificar os componentes dentro de seu invólucro.
- Limite seus movimentos. Eles podem causar acúmulo de eletricidade estática.
- Não submeta a unidade a choques físicos.
- Manipule a unidade pelas extremidades.
- Não toque em nenhum componente exposto na unidade.
- Não pressione a tampa da unidade.

#### **Atenção:**

A unidade é muito sensível. A manipulação incorreta pode causar danos e perda permanente de dados no disco rígido. Antes de remover a unidade de disco rígido, faça uma cópia de backup de todas as informações do disco rígido e desligue o computador. Nunca remova a unidade enquanto o sistema estiver nos modos de espera, hibernação ou em operação.

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### Substituindo a Unidade de Disco Rígido

Só substitua a unidade de disco rígido se você tiver feito upgrade dela ou se ela tiver sido reparada. Os conectores e compartimentos da unidade de disco rígido não foram desenvolvidos para alterações frequentes ou trocas de unidades.

**Nota:** O procedimento a seguir pode variar dependendo do modelo do computador ThinkPad. Para obter instruções mais detalhadas, consulte a documentação do sistema.

Para substituir a unidade de disco rígido, execute os seguintes procedimentos:

1. Desligue o computador ThinkPad.
2. Desconecte o adaptador de corrente alternada e todos os cabos do computador.
3. Feche o vídeo e vire o computador.
4. Remova a bateria.
5. Remova o parafuso que prende a unidade de disco rígido.
6. Remova a tampa, em seguida, remova a unidade de disco rígido puxando a guia.
7. Remova as borrachas laterais da unidade de disco rígido.
8. Remova a embalagem da nova unidade de disco rígido.

#### **Atenção**

Antes de remover a embalagem da unidade de disco rígido, leia “Manipulando a Unidade de Disco Rígido” na página 1-5.

9. Coloque as borrachas laterais na nova unidade de disco rígido.
10. Insira a unidade de disco rígido com as borrachas laterais no compartimento de unidade de disco rígido, em seguida, instale-as com firmeza e substitua a tampa.
11. Recoloque o parafuso.

**Nota:** Você pode substituir o parafuso por um parafuso de segurança para evitar que a unidade de disco rígido seja removida facilmente. O parafuso de segurança pode não ter sido incluído no pacote enviado. No entanto, você pode adquiri-los diretamente no site NABS, no endereço [www.nabsnet.com](http://www.nabsnet.com).

12. Recoloque a bateria.
13. Conecte o adaptador de corrente alternada e os cabos ao computador.

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## Informationen zum ThinkPad-Festplattenlaufwerk

Dieser Abschnitt enthält Informationen zum Umgang mit dem ThinkPad-Festplattenlaufwerk und zum Austauschen des Festplattenlaufwerks.

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### Umgang mit dem Festplattenlaufwerk

Beachten Sie die folgenden Vorsichtsmaßnahmen, um das Festplattenlaufwerk zu schützen:

- Bewahren Sie das Laufwerk bis zur Installation im ThinkPad in der zugehörigen antistatischen Schutzhülle auf. Wenn Sie das Laufwerk ablegen müssen, legen Sie zunächst die Schutzhülle auf eine flache, nicht zu harte Oberfläche, z. B. eine Zeitschrift, und legen Sie dann das Laufwerk mit der Komponentenseite nach oben auf die Schutzhülle.
- Gehen Sie vorsichtig mit dem Laufwerk um. Durch Fallenlassen oder Erschütterungen können die Komponenten im Laufwerkgehäuse beschädigt werden.
- Vermeiden Sie unnötige Bewegungen. Durch Bewegung kann sich die Umgebung statisch aufladen.
- Setzen Sie das Laufwerk keinen physischen Erschütterungen aus.
- Fassen Sie das Laufwerk am Rand an.
- Berühren Sie keine ungeschützten Komponenten im Laufwerk.
- Üben Sie auf die Abdeckung des Laufwerks keinen Druck aus.

#### **Achtung:**

Festplattenlaufwerke sind sehr empfindliche Einheiten. Eine nicht ordnungsgemäße Handhabung kann zu Beschädigungen und dauerhaftem Datenverlust führen. Erstellen Sie vor dem Entfernen des Festplattenlaufwerks eine Sicherungskopie von allen Daten auf dem Festplattenlaufwerk. Schalten Sie anschließend den Computer aus. Entfernen Sie das Laufwerk nie, während sich das System in Betrieb, im Bereitschaftsmodus oder im Hibernationsmodus befindet.

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### Festplattenlaufwerk austauschen

Tauschen Sie das Festplattenlaufwerk nur aus, wenn Sie einen Upgrade ausführen möchten oder wenn das Laufwerk repariert werden muss. Die Anschlüsse und die Position des Festplattenlaufwerks sind nicht für einen wiederholten oder regelmäßigen Austausch gedacht.

**Anmerkung:** Die folgende Vorgehensweise hängt von Ihrem ThinkPad-Modell ab. Ausführlichere Anweisungen finden Sie in der Systemdokumentation.

Gehen Sie wie folgt vor, um das Festplattenlaufwerk auszutauschen:

1. Schalten Sie den ThinkPad aus.
2. Trennen Sie das Netzteil und alle Kabel vom Computer.
3. Schließen Sie den Bildschirm, und drehen Sie den Computer um.
4. Entfernen Sie den Akku.
5. Entfernen Sie die Schraube, die das Festplattenlaufwerk sichert.
6. Entfernen Sie die Abdeckung. Entfernen Sie anschließend das Festplattenlaufwerk, indem Sie an der Lasche ziehen.
7. Entfernen Sie die seitlichen Gummis vom Festplattenlaufwerk.
8. Entpacken Sie das neue Festplattenlaufwerk.

**Achtung**

Lesen Sie vor dem Entpacken des Festplattenlaufwerks den Abschnitt „Umgang mit dem Festplattenlaufwerk“ auf Seite 1-7.

9. Bringen Sie die seitlichen Gummis am neuen Festplattenlaufwerk an.
10. Setzen Sie das Festplattenlaufwerk, an das die seitlichen Gummis angebracht sind, in die Festplattenlaufwerkposition ein. Drücken Sie es dann fest in die Position, und bringen Sie die Abdeckung wieder an.
11. Bringen Sie die Schraube wieder an.

**Anmerkung:** Sie können die Schraube durch eine Sicherheitsschraube ersetzen, um zu verhindern, dass das Festplattenlaufwerk auf einfache Weise entfernt werden kann. Die Sicherheitsschraube ist möglicherweise nicht im Lieferumfang enthalten. Sie können Schrauben jedoch direkt bei NABS unter der Adresse [www.nabsnet.com](http://www.nabsnet.com) bestellen.

12. Setzen Sie den Akku wieder ein.
13. Schließen Sie das Netzteil und alle Kabel wieder an den Computer an.

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## Informazioni sull'Unità disco fisso di ThinkPad

Questa sezione fornisce informazioni sulla gestione e la sostituzione dell'Unità disco fisso di ThinkPad.

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### Manipolazione dell'unità disco fisso

Per proteggere l'unità disco fisso, osservare le seguenti precauzioni:

- Conservare l'unità nell'involucro antistatico fino al momento dell'installazione nell'elaboratore ThinkPad. Se si deve posare l'unità, collocare l'involucro antistatico su una superficie piana, imbottita e depositare l'unità sull'involucro rivolta verso l'alto.
- Maneggiare l'unità con attenzione. Lasciar cadere o scuotere l'unità potrebbe danneggiare le parti interne.
- Limitare i movimenti I movimenti potrebbe generare elettricità statica.
- Non sottoporre l'unità ad urti fisici.
- Afferrare l'unità dalle estremità.
- Non toccare i componenti esposti dell'unità.
- Non fare pressione sul coperchio dell'unità.

#### **Attenzione:**

L'unità è molto delicata. Una manipolazione non corretta può causare danni e perdite permanenti di dati sul disco fisso. Prima di rimuovere l'unità disco fisso, eseguire una copia di backup di tutte le informazioni sul disco fisso e quindi spegnere l'elaboratore. Non rimuovere l'unità mentre il sistema è operativo, in modalità standby o in modalità di ibernazione.

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### Reinstallazione dell'unità disco fisso

Reinstallare l'unità disco fisso solo in caso di aggiornamento o se è stata riparata. I connettori e il vano dell'unità disco fisso non sono stati progettati per modifiche frequenti o sostituzioni di unità.

**Nota:** La seguente procedura potrebbe variare a seconda del modello di elaboratore ThinkPad. Per istruzioni più dettagliate, fare riferimento alla documentazione del sistema.

Per reinstallare l'unità disco fisso, completare la seguente procedura:

1. Spegnere l'elaboratore ThinkPad.

2. Scollegare l'adattatore ac e tutti i cavi dall'elaboratore.
3. Spegnerne il video e l'elaboratore.
4. Rimuovere la batteria.
5. Rimuovere la vite che blocca l'unità disco fisso.
6. Rimuovere il coperchio, quindi rimuovere l'unità disco fisso sollevando la scheda.
7. Scollegare i cavi di gomma laterali dall'unità disco fisso.
8. Disimballare la nuova unità disco fisso.

**Attenzione**

Prima di spaccettare l'unità disco fisso, leggere attentamente "Manipolazione dell'unità disco fisso" a pagina 1-9.

9. Collegare i cavi di gomma laterali alla nuova unità disco fisso.
10. Inserire l'unità disco fisso con i cavi di gomma collegati nel vano dell'unità disco fisso; quindi installarli saldamente e reinserire il coperchio.
11. Reinserrire la vite.

**Nota:** è possibile sostituire la vite con una vite di sicurezza per impedire che l'unità disco fisso venga facilmente rimossa. La vite di sicurezza potrebbe non essere inclusa nella spedizione del prodotto. Tuttavia, è possibile acquistare le viti direttamente da NABS all'indirizzo [www.nabsnet.com](http://www.nabsnet.com).

12. Reinstallare la batteria.
13. Collegare l'adattatore ac e i cavi all'elaboratore.



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## Informácie o jednotke pevného disku ThinkPad

Táto časť poskytuje informácie o zaobchádzaní a výmene jednotky pevného disku ThinkPad.

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### Zaobchádzanie s jednotkou pevného disku

Na ochranu jednotky pevného disku dodržiavajte tieto opatrenia:

- Ponechajte jednotku v antistatickom ochrannom obale až pokiaľ nebudete pripravený nainštalovať ju do počítača ThinkPad. Ak musíte jednotku položiť, umiestnite antistatický ochranný obal na rovný, mäkký povrch a položte jednotku na obal stranou komponentov smerom hore.
- Zaobchádzajte s jednotkou opatrne. Pád alebo náraz jednotky môže poškodiť vnútorné komponenty.
- Obmedzte svoj pohyb. Pohyb môže spôsobiť vytvorenie statickej elektriny.
- Chráňte jednotku pred fyzickými otrasmi.
- Držte jednotku za okraje.
- Nedotýkajte sa prístupných komponentov na jednotke.
- Netlačte na kryt jednotky.

#### **Upozornenie:**

Jednotka je veľmi citlivá. Nesprávne zaobchádzanie môže spôsobiť poškodenie a trvalú stratu údajov na pevnom disku. Skôr ako odstránite jednotku pevného disku, urobte záložnú kópiu všetkých informácií na pevnom disku a potom vypnite počítač. Nikdy neodstraňujte jednotku, keď je systém v prevádzke, v pozastavenom režime alebo v režime hibernácie.

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### Výmena jednotky pevného disku

Jednotku pevného disku vymieňajte, len ak ho aktualizujete alebo ho dávate do opravy. Konektory a zásuvka jednotky pevného disku neboli navrhnuté na časté zmeny alebo výmenu diskov.

**Opomba:** Nasledujúca procedúra sa môže líšiť v závislosti od modelu vášho počítača ThinkPad. Podrobnejšie pokyny nájdete v dokumentácii k vášmu systému.

Pri výmene jednotky pevného disku vykonajte túto procedúru:

1. Vypnite počítač ThinkPad.
2. Odpojte z počítača AC adaptér a všetky káble.
3. Zatvorte displej a obráťte počítač.

4. Vyberte batériu.
5. Odstráňte skrutku, ktorá zaisťuje jednotku pevného disku.
6. Odstráňte kryt, potom odstráňte jednotku pevného disku potiahnutím za pútiko.
7. Odpojte z jednotky pevného disku bočné gummy.
8. Rozbaľte novú jednotku pevného disku.

**Upozornenie**

Skôr ako rozbaľte jednotku pevného disku, prečítajte si “Zaobchádzanie s jednotkou pevného disku” na strani 1-11.

9. Pripojte bočné gummy na novú jednotku pevného disku.
10. Vložte jednotku pevného disku s pripojenými bočnými gumami do zásuvky jednotky pevného disku; potom ju dôkladne nainštalujte a nasadte kryt.
11. Nainštalujte skrutku.

**Opomba:** Skrutku môžete nahradiť bezpečnostnou skrutkou, ktorá bráni jednoduchému vybratiu disku. Bezpečnostná skrutka nemusí byť súčasťou dodávky. Skrutky si však môžete kúpiť priamo od NABS na [www.nabsnet.com](http://www.nabsnet.com).

12. Vložte naspäť batériu.
13. Pripojte k počítaču AC adaptér a káble.

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## Jednotka pevného disku ThinkPad

Tato část obsahuje informace o zacházení s jednotkou pevného disku a její výměně.

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### Zacházení s jednotkou pevného disku

Abyste jednotku pevného disku nepoškodili, dodržujte následující pokyny:

- Ponechejte jednotku v antistatickém obalu, dokud ji nebudete instalovat do počítače ThinkPad. Potřebujete-li jednotku odložit, položte antistatický obal na plochý polstrovaný povrch a jednotku položte na obal stranou se součástkami nahoru.
- Zacházejte s jednotkou opatrně. Pád jednotky nebo prudký náraz může poškodit součástky uvnitř jednotky.
- Omezte svůj pohyb. Pohyb může vytvářet elektrostatický náboj.
- Nevystavujte jednotku fyzickým šokům.
- Jednotku berte za okraje.
- Nedotýkejte se nezakrytých součástí jednotky.
- Netlačte na povrch jednotky.

#### Upozornění

Jednotka je velmi citlivá. Nesprávné zacházení může způsobit poškození a trvalou ztrátu dat na pevném disku. Před vyjmutím jednotky pevného disku zálohujte všechna data na pevném disku a pak počítač vypněte. Jednotku pevného disku nikdy nevyjímajte, pokud je počítač v provozu, v pohotovostním režimu nebo režimu spánku.

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### Výměna jednotky pevného disku

Jednotku pevného disku vyměňte pouze tehdy, pokud provádíte upgrade, nebo při opravě jednotky. Konektory a pozice jednotky pevného disku nebyly navrženy pro časté výměny disku.

**Poznámka:** Uvedený postup se může lišit podle modelu vašeho počítače ThinkPad. Podrobné instrukce naleznete v dokumentaci k vašemu systému.

Jednotku pevného disku vyměníte následujícím postupem:

1. Vypněte počítač ThinkPad.
2. Odpojte od počítače adaptér napájení a všechny kabely.
3. Zavřete displej počítače a počítač otočte.
4. Vyjměte baterii.

5. Vyšroubujte šroub, který zajišťuje jednotku pevného disku.
6. Odstraňte kryt a vytáhněte jednotku pevného disku za držátko.
7. Odstraňte postranní gumové kryty z jednotky pevného disku.
8. Vyalte novou jednotku pevného disku.

#### **Upozornění**

Před vybalením jednotky si přečtěte část “Zacházení s jednotkou pevného disku” na stránce 1-13.

9. Připevněte postranní gumové kryty na novou jednotku pevného disku.
10. Vložte diskovou jednotku postranními gumovými kryty do pozice diskové jednotky a připevněte zpět kryt.
11. Šroub našroubujte zpět.

**Poznámka:** Šroub lze nahradit bezpečnostním šroubem, který znemožňuje snadné vyjmutí jednotky pevného disku. Bezpečnostní šroub nemusí být obsažen ve vaší dodávce. Tento šroub lze však objednat u firmy NABS na webové stránce [www.nabsnet.com](http://www.nabsnet.com).

12. Vložte zpět baterii.
13. Připojte k počítači adaptér napájení a kabely.

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## Bölüm 1. ThinkPad Sabit Disk Sürücüsü Hakkında

Bu bölümde ThinkPad Sabit Disk Sürücünüzün tutulması ve çıkarılıp yeniden takılmasına ilişkin bilgiler yer alır.

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### Sabit Disk Sürücüsünün Tutulması

Sabit disk sürücünüzü korumak için aşağıdaki önlemleri alın:

- Sürücüyü ThinkPad bilgisayarınıza takmaya hazır oluncaya kadar, statik elektriğe karşı koruyucu çantasında tutun. Sürücüyü yere koymak zoradaysanız, statik elektriğe karşı koruyucu çantasını düz ve korumalı bir zemine koyun ve sürücüyü, bileşenlerin bulunduğu yüzü yukarı bakacak şekilde çantanın üzerine yerleştirin.
- Sürücüyü dikkatli tutun. Sürücünün yere düşürülmesi ya da sarsılması, içindeki bileşenlerin zarar görmesine neden olabilir.
- Hareketlerinizi sınırlayın. Hareket statik elektrik birikimine neden olabilir.
- Sürücünün fiziksel darbe almasını önleyin.
- Sürücüyü kenarlarından tutun.
- Sürücünün üzerindeki açık bileşenlere dokunmayın.
- Sürücünün kapağına baskı uygulamayın.

#### **Dikkat:**

Sürücü çok hassastır. Yanlış bir şekilde tutulması sürücünün zarar görmesine ve sabit diskteki verilerin tamamen kaybolmasına neden olabilir. Sabit disk sürücüsünü çıkarmadan önce, sabit disk sürücüsündeki tüm bilgilerin bir yedek kopyasını alıp bilgisayarı kapatın. Sürücüyü hiçbir zaman sistem çalışırken, bekleme kipindeyken ya da uyku kipindeyken çıkarmayın.

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### Sabit Disk Sürücüsünün Değiştirilmesi

Sabit disk sürücüsünü yalnızca büyütürseniz ya da onarıma gönderirseniz değiştirin. Sabit disk sürücüsünün bağlaçlarının ve bölmesinin tasarımı, sık sık değişiklik yapılmasına ya da sürücünün değiştirilmesine uygun değildir.

**Not:** Aşağıdaki yordam ThinkPad bilgisayarınızın modeline göre değişiklik gösterebilir. Daha ayrıntılı yönergeler için sisteminizle ilgili belgelere bakın.

Sabit disk sürücüsünü değiştirmek için aşağıdaki yordamı izleyin:

1. ThinkPad bilgisayarınızı kapatın.
2. AC bağdaştırıcısını ve tüm kabloları bilgisayardan çıkarın.
3. Ekranı kapatın ve bilgisayarın kapağını çevirin.

4. Pili çıkarın.
5. Sabit disk sürücüsünü sabitleyen vidayı çıkarın.
6. Kapağı çıkarın, ardından sekmeyi çekerek sabit disk sürücüsünü çıkarın.
7. Yandaki lastikleri sabit disk sürücüsünden ayırın.
8. Yeni sabit disk sürücüsünü paketinden çıkarın.

**Dikkat**

Yeni sabit disk sürücüsünü paketinden çıkarmadan önce bkz. “Sabit Disk Sürücüsünün Tutulması” sayfa 1-15.

9. Lastikleri yeni sabit disk sürücüsüne çıkarın.
10. Kenar lastikleri takılan sabit disk sürücüsünü sabit disk sürücüsü bölmesine yerleştirip sıkı bir şekilde takın ve kapağı geri takın.
11. Vidayı yeniden takın.

**Not:** Sabit disk sürücüsünün kolayca çıkarılmasını önlemek için vidayı bir güvenlik vidasıyla değiştirebilirsiniz. Güvenlik vidası teslimat grubunda bulunmayabilir. Ancak, vidaları doğrudan [www.nabsnet.com](http://www.nabsnet.com) adresindeki NABS'den alabilirsiniz.

12. Pili yeniden takın.
13. AC bağdaştırıcısını ve kabloları bilgisayara takın.

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## Bölüm 2. Servis İstasyonları

### For Turkey Only (Yalnızca Türkiye İçin)

Garanti süresi içerisinde müşteri arızalı ürünü aşağıda belirtilen merkezlere teslim ederek garanti hizmetinden yararlanır. Ürün yerinde garanti hizmeti içeriyorsa, bu merkezlerden birine telefon edebilirsiniz.

#### Garanti Hizmetinin Alınabileceği Merkezler

##### - ADANA

BSD Bilgisayar San. ve Tic. Ltd. Şti.  
Adres: Cemal Paşa Mah. 7.Sokak No:7  
Mualla Berrin Gökşen Apt. Zemin Kat Seyhan  
Adana  
Web Adresi: <http://www.bsd.com.tr/>  
Telefon: 322 458 25 10 / 322 458 92 80/81  
Faks no: 322 458 47 83

##### - ANKARA

Arion Bilişim Sistemleri Tic. A.Ş.  
Adresi: Hereke Sok. 8/2  
Çankaya Ankara  
Posta Kodu: 06700  
Web Adresi: <http://www.arion.com.tr/>  
Telefon: 312 447 13 95  
Faks no: 312 447 58 36

Destek Bilgisayar ve İletişim Hizmetleri Tic. A.Ş.

Adresi: Cinnah Caddesi, No:51/4  
Semt: Çankaya  
Posta kodu: 06680  
Şehir: Ankara  
Web Adresi: <http://www.destek.as/>  
Telefon: 312 442 19 21  
Faks no: 312 441 97 89

Probil Bilgi İşlem Destek ve Dan.San. ve Tic. A.Ş.

Adresi: Teknoloji Geliştirme Bölgesi, ODTÜ Ofis Bina, Batı Cephe A-1  
Semt: Odtü  
Posta kodu: 06531  
Şehir: Ankara  
Web Adresi: <http://www.probil.com.tr/>  
Telefon: 312 210 18 08  
Faks no: 312 210 18 05

##### - ANTALYA

Bilser Bilgi İşlem Tic. Ltd. Şti.

Adresi: Güllük Caddesi, 146.Sokak, Gökhan Apartmanı, No:1/3,6,7

Posta kodu: 07050

Şehir: Antalya

Web Adresi: <http://www.bilser.net/>

Telefon: 242 247 75 28

Faks no: 242 241 10 68

- BOLU

Ercoskun Bilgisayar Yaz.Don.ve Dan.Hiz. Ltd. Şti.

Adresi: Tabaklar Mahallesi, Cumhuriyet Caddesi, No:35

Posta kodu: 14200

Şehir: Bolu

Web Adresi: <http://www.ercoskun.com.tr/>

Telefon: 374 212 58 46

Faks no: 374 212 70 98

- BURSA

Monitor Digital Bilgisayar Ltd. Şti.

Adresi: Mudanya Yolu, Şehit Mümin Mutlu Sokak, No:2

Posta kodu: 16160

Şehir: Bursa

Web Adresi: <http://www.monitordigital.com/>

Telefon: 224 242 43 10

Faks no: 224 242 40 22

- DENİZLİ

ALM Bilgisayar San. Tic. Ltd. Şti.

Adresi: 2. Ticari Yol, Kazım Kaynak İş Merkezi, No:65 Kat:3

Semt:

Posta kodu: 21100

Şehir: Denizli

Web Adresi: <http://www.bil-san.com.tr/>

Telefon: 258 264 28 55

Faks no: 258 265 74 77

- DİYARBAKIR

Metro Bilgisayar Eğitim Tic. ve San.Ltd. Şti.

Adresi: Ali Emiri 5. Sokak, Kaçmaz Apartmanı, No:4/1

Posta kodu: 21100

Şehir: Diyarbakır

Web Adresi: <http://www.metrobilgisayar.com.tr/>

Telefon: 412 223 94 36

Faks no: 422 224 55 07

- ERZİNCAN

Erzincan Bigisayar

Adresi: Hükümet Caddesi, No:33/1

Şehir: Erzincan



Web Adresi: <http://www.erzincanbilgisayar.com/>  
Telefon: 446 223 89 87  
Faks no: 446 224 24 34

- ERZURUM

Şark Bilgisayar Elektronik San. ve Tic. Ltd.Şti.  
Adresi: Yukarı Mumcu Caddesi, No:9  
Posta kodu: 25100  
Şehir: Erzurum  
Web Adresi: <http://www.sarkbil.com.tr/>  
Telefon: 442 234 21 02 / 04  
Faks no: 442 233 02 79

- ESKİŞEHİR

Eğitim Tanıtım ve Müşavirlik A.Ş. ( ETAM )  
Adresi: Kızılçıklı Mahmut Pehlivan Caddesi, Abacı Apartmanı, No:34  
Posta kodu: 26020  
Şehir: Eskişehir  
Web Adresi: <http://www.etamacshop.com/>  
Telefon: 222 221 46 28 / 222 220 50 55  
Faks no: 222 221 69 91

- GAZİANTEP

Kalender Bilgisayar İnşaat Tekstil San. ve Tic. Ltd. Şti.  
Adresi: Karatarla Mahallesi, Yeniçeri Sokak, Sabu Ökkeş Çıkmazı, No:2  
Posta kodu: 27090  
Şehir: Gaziantep  
Web Adresi: <http://www.kalendertr.com/>  
Telefon: 342 215 18 18  
Faks no: 342 215 18 22

- İĞDIR

Ebru Elektronik ve Bilgisayar Sistemleri  
Adresi: Atatürk Caddesi, No:261  
Posta kodu: 76000  
Şehir: Iğdır  
Web Adresi: <http://www.ebruelektronik.com/>  
Telefon: 476 227 76 66 / 476 227 08 43 / 476 227 08 44  
Faks no: 476 227 76 66

- İSTANBUL

Bilgi Birikim Sistemleri Elctr.ve Bilg.Endüstrisi Müh.Hiz.Ltd.Şti.  
Adresi: Kocayol Caddesi, Kozyatağı Sokak, No: 3/B Kat:3  
Semt: Kozyatağı  
Şehir: İstanbul  
Web Adresi: <http://www.bilgibirikim.com/>  
Telefon: 216 373 98 00  
Faks no: 216 373 99 33

Destek Bilgisayar ve İletişim Hizmetleri Tic. A.Ş.

Adresi: Çınar Sokak, No:17

Semt: 4. Levent

Posta kodu: 80620

Şehir: İstanbul

Web Adresi: <http://www.destek.as/>

Telefon: 212 282 44 30

Faks no: 212 264 46 45

Deta Bilgisayar Hizmetleri Ltd. Şti.

Adresi: Vatan Cad. Ortadoğu İş Merkezi 2/1

Semt: Çağlayan

Şehir: İstanbul

Web Adresi: <http://www.deta.com.tr/>

Telefon: 212 296 47 00

Faks no: 212 296 47 06

Netservis Bilgisayar Sistemleri San. ve Tic. Ltd.Şti.

Adresi: İnönü Mahallesi,Alpkaya Caddesi, Ümit İş Merkezi, No:49, Kayışdağı

Semt: Kadıköy

Posta kodu: 34755

Şehir: İstanbul

Web Adresi: <http://netservis.com.tr/>

Telefon: 216 576 82 04

Faks no: 216 576 74 49

Novatek Bilgisayar Sistemleri San.ve Tic.Ltd.Şti.

Adresi: Raşit Rıza Sokak, Yıldırım İş Hanı, No: 1 Kat: 1

Semt: Mecidiyeköy

Posta Kodu: 80300

Şehir: İstanbul

Web Adresi: <http://www.novateknoloji.com/>

Telefon: 212 356 75 77

Faks no: 212 356 75 88

Peritus Bilgisayar Sist. Dış Tic.San.Ltd.Şti.

Adresi: Ziverbey Eğitim Mahallesi, Poyraz Sokak, Sadıkoğlu İş Merkezi 1, D:15

Ziverbey

Semt: Kadıköy

Posta kodu: 81040

Şehir: İstanbul

Web Adresi: <http://www.pbs.biz.tr/>

Telefon: 216 345 08 00

Faks no: 216 349 09 92

Probil Bilgi İşlem Destek ve Dan.San. ve Tic. A.Ş.

Adresi: Eski Büyükdere Caddesi, Dilaver Sokak, No:4 Otosanayi

Semt: 4. Levent

Posta kodu: 80660

Şehir: İstanbul

Web Adresi: <http://www.probil.com.tr/>  
Telefon: 212 317 61 00  
Faks no: 212 325 42 04

Tepum Teknoloji Prog. ve Uygulama Merkezi A.Ş.

Adresi: Emniyet Evleri Mah. Yeniçeri Sok. Emir Han. K:2 No:6  
Semt: 4.Levent  
Posta kodu: 34416  
Şehir: İstanbul  
Web Adresi: <http://www.tepum.com.tr/>  
Telefon: 0 212 324 60 10  
Faks no: 0 212 284 52 40

Turkuaz Bilgisayar Danışmanlık ve Yazılım Ltd. Şti.

Adresi: Doğanbey Caddesi, Çetinkaya Sokak, No:2, Kat:5  
Semt: İçerenköy  
Posta kodu: 81120  
Şehir: İstanbul  
Web Adresi: <http://www.turkuaz.net/>  
Telefon: 216 575 58 32  
Faks no: 216 575 01 08

- İZMİR

Adapa Bilgi Sistemleri A.Ş.

Adresi: Ankara Asfaltı, No:26/3, Rod-Kar 2 İş Merkezi, No: 305-309  
Semt: Bornova  
Posta kodu: 35110  
Şehir: İzmir  
Web Adresi: <http://www.biltas.com.tr/>  
Telefon: 232 462 67 80  
Faks no: 232 462 59 60

Egebimtes Ltd. Şti.

Adresi: 1370 Sokak, No:42, Kat:4, Blok:403, Yalay İş Merkezi  
Semt: Montrö  
Şehir: İzmir  
Web Adresi: <http://www.egebimtes.com.tr/>  
Telefon: 232 489 00 60  
Faks no: 232 489 99 08

Probil Bilgi İşlem Destek ve Dan.San. ve Tic. A.Ş.

Adresi: Şair Eşref Bulvarı, Huzur İşhanı, No:27/2 Kat:2  
Semt: Alsancak  
Posta kodu: 35210  
Şehir: İzmir  
Web Adresi: <http://www.probil.com.tr/>  
Telefon: 232 445 33 33  
Faks no: 232 441 40 40

- KAYSERİ

Netcom Bilişim Hizmetleri ve Tic. Ltd.Şti.

Adresi: Serçeönü Mahallesi Sivas Caddesi Birkan Sokak No:7

Semt: Kocasinan

Şehir: Kayseri

Web Adresi: <http://www.netcom.com.tr/>

Telefon: 352 222 11 43

Faks no: 352 222 07 07

- KONYA

Alamaç Bilgisayar Tic. Ltd. Şti.

Adresi: Babalık Mahallesi, Keyhüsrev Sokak, No:11/B

Posta kodu: 42060

Şehir: Konya

Web Adresi: <http://www.alamac.com.tr/>

Telefon: 332 320 65 20

Faks no: 332 320 65 19

- MALATYA

Probil Bilgi İşlem Destek ve Dan.San. ve Tic. A.Ş.

Adresi: İsmetiye Mahallesi, Yiğitcan İş Merkezi, No:10/6

Posta kodu: 44100

Şehir: Malatya

Web Adresi: <http://www.probil.com.tr/>

Telefon: 422 325 35 07

Faks no: 422 326 27 02

- MUĞLA

Bosis Bilgi ve İletişim Sistemleri Tic. Ltd. Sti.

Adresi: Nafız Özsoy Caddesi, No:8, Bodrum

Şehir: Muğla

Web Adresi: <http://www.bosis.com.tr/>

Telefon: 252 316 05 32

Faks no: 252 313 83 04

- SAMSUN

VIP Bilgi İşlem Ltd. Şti.

Adresi: İstiklal Caddesi, No:159/13

Posta kodu: 55060

Şehir: Samsun

Web Adresi: <http://www.vipbilgiislem.com.tr>

Telefon: 362 230 88 52

Faks no: 362 234 77 22

- ŞANLIURFA

Bilban Bilgisayar Eğitim Tic. San. Ltd. Şti.

Adresi: Kızılay İşhanı, Kat:1-2

ehir: Şanlıurfa

Web Adresi: <http://www.bilban.com.tr/>

Telefon: 414 215 05 52

Faks no: 414 212 22 15

- TRABZON

Somdata Bilgisayar Paz. ve Tic. Ltd. Şti.

Adresi: Kemer kaya Mahallesi, Gazipaşa Caddesi, 1315 Saruhan İş Merkezi, No:6

Semt:

Posta kodu: 61100

Şehir: Trabzon

Web Adresi: <http://www.somdata.com.tr/>

Telefon: 462 323 15 64 / 84

Faks no: 462 326 56 07

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## Bölüm 3. Ek Bilgiler

### For Turkey Only (Yalnızca Türkiye İçin)

#### 1. İmalatçı ya da ithalatçı firmaya ilişkin bilgiler:

Ürünün ithalatçı firması, Lenovo Technology B.V. Merkezi Hollanda Türkiye İstanbul Şubesi'dir. Adresi ve telefonu şöyledir:

Büyükdere Caddesi Yapı Kredi Plaza B Blok

Kat: 15-A, Levent, Beşiktaş

34330, İstanbul, Türkiye

Tel: 90 212 317 15 00

#### 2. Bakım, onarım ve kullanımda uyulması gereken kurallar:

Bu konuyla ilgili öncelikle güvenliğe ilişkin bölümlerin okunmasını tavsiye ederiz. Ürünün kullanılmadan önce kuruluşuna ilişkin bilgiler kitabınızın "ThinkPad Sabit Disk Sürücüsü Hakkında" başlıklı bölümünde verilmiştir. Ürününüzün onarım ya da bakıma gereksinimi olduğunda servis istasyonlarından birine başvurmanızı öneririz. Servis istasyonlarına ilişkin bilgiler ilgili bölümde sağlanmıştır.

#### 3. Taşıma ve nakliye sırasında dikkat edilecek hususlar:

Ürünüze ve bağlı olduğu aygıtı taşıırken ya da nakliye sırasında dikkat etmeniz gereken birkaç nokta vardır. Aygıtı taşımadan önce tüm bağlı ortamların çıkartılmış olması, bağlı aygıtların çözülmesi ve kabloların sökülmesi gerekir. Bu aygıtın zarar görmemesi için gereklidir. Ayrıca aygıtınızı taşıırken uygun koruma sağlayan bir taşıma kutusu kullanılmasına dikkat edin.

#### 4. Aygıtı ilişkin bakım, onarım ya da temizliğe ilişkin bilgiler:

Aygıtı ilişkin kullanıcının yapabileceği bir bakım ya da onarım yoktur. Bakım ya da onarıma gereksinim duyarsanız bir Çözüm Ortağı'ndan destek alabilirsiniz. Bakıma ilişkin diğer ek bilgiler için kitabın ilgili bölümünden (eğer sağlanmışsa) yararlanabilirsiniz. Ayrıca servis istasyonlarına ilişkin bilgileri kitabınızın aynı başlıklı bölümünde bulabilirsiniz.

#### 5. Kullanım sırasında insan ya da çevre sağlığına zararlı olabilecek durumlar:

Böylesi bir duruma maruz kalmamak için güvenlik yönergelerinde belirtilen hususları dikkatle okuyun ve uygulayın.

6. Kullanım hatalarına ilişkin bilgiler:

Kullanımla ilgili hatalardan kaçınmak için güvenlik yönergelerini okumanızı tavsiye ederiz.

7. Ürünün özelliklerine ilişkin tanıtıcı ve temel bilgiler:

Ürünüze ilişkin tanıtıcı ve temel bilgileri kitabınızın ilk bölümünde bulabilirsiniz.

8. Periyodik bakıma ilişkin bilgiler:

Ürün bir uzmanın yapması gereken periyodik bakımı içermez.

9. Bağlantı ve montaja ilişkin bilgiler:

Aksamınızı çalışır hale getirebilmeniz için gerekli bağlantı ve montaj bilgileri "ThinkPad Sabit Disk Sürücüsü Hakkında" başlıklı bölümde açıklanmıştır. Kuruluş işlemi kendiniz yapmak istemiyorsanız satıcınızdan ya da bir servis istasyonundan ücret karşılığında destek alabilirsiniz.

10. Bakanlıkça tespit ve ilan edilen kullanım ömrü:

Bakanlıkça tespit ve ilan edilen kullanım ömrü 7 yıldır.

11. Varsa standart numarası:

Ürünün standart numarası yoktur.

12. Servis istasyonlarına ilişkin bilgiler:

Bunlar kitabınızın aynı başlıklı bölümünde belirtilmiştir. Herhangi bir onarım ya da yedek parça ihtiyacı durumunda bu istasyonlardan birine başvurabilirsiniz.

13. İthal edilmiş mallarda, yurt dışındaki üretici firmanın unvanı ve açık adresi ile diğer erişim bilgileri (telefon, telefaks ve e-posta vb.):

Ürün şirketimizin dünyadaki değişik üretim tesislerinin herhangi birinde üretilmiş olabilir. Bu kılavuz beraberindeki ürünün menşeyini kutu üzerindeki etiketlerden öğrenmek imkanı bulunmaktadır.

14. "CE" işareti (varsa) ve uygunluk değerlendirme kuruluşunun unvanı ve açık adresi (telefon, telefaks ve e-posta vb.):

Şirketimizin AR-GE ve kalite kontrol laboratuvarları ürettiğimiz ürünlerin CE Uygunluğunu değerlendirmeye yetkilidir.



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## 有关 ThinkPad 硬盘驱动器

本部分提供了有关操作和替换 ThinkPad 硬盘驱动器的信息

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### 操作硬盘驱动器

为了保护硬盘驱动器，请遵守下列预防措施。

- 在准备将硬盘驱动器安装到 ThinkPad 计算机之前，请将硬盘驱动器保存在它的静电防护包中。如必须放下硬盘驱动器，则需先将静电防护包放置到平坦、装有垫子的表面上，然后将硬盘驱动器组件端朝上放置到静电防护包上。
- 小心操作驱动器。跌落或震动驱动器可能会损坏驱动器外壳内的组件。
- 尽量少移动。移动可能导致静电累积。
- 请勿使硬盘驱动器遭受物理冲击。
- 握住边缘操作硬盘驱动器。
- 请勿接触驱动器上暴露在外的组件。
- 请勿对驱动器外盖施加压力。

#### 注意：

硬盘驱动器十分敏感。不正确的操作可能会对硬盘上的数据造成损坏和永久丢失。在卸下硬盘驱动器前，对硬盘上所有信息做一个备份副本，然后再关闭计算机。切勿在系统正运行、处于待机方式或休眠方式时卸下驱动器。

---

### 更换硬盘驱动器

仅在升级或修复硬盘驱动器情况下更换它。硬盘驱动器的接口和托架的设计并不适合频繁的更换或驱动器交换。

**注：**根据 ThinkPad 计算机型号，以下过程可能变更。有关更多详细的说明，请参考您的系统文档。

要更换硬盘驱动器，请完成以下过程：

1. 关闭 ThinkPad 计算机。
2. 从计算机上断开交流电源适配器及所有电缆的连接。
3. 关闭显示器并把计算机翻转。
4. 卸下电池。
5. 卸下保护硬盘驱动器的螺钉。
6. 卸下外盖，然后通过拉出卡口卸下硬盘驱动器。
7. 从硬盘驱动器拆离边缘橡皮。
8. 打开新的硬盘驱动器的包装。

**注意**

在打开硬盘驱动器的包装之前，请确保阅读第 1-27 页的『操作硬盘驱动器』。

9. 将边缘橡皮连接到新的硬盘驱动器上。
10. 将带有连接的边缘橡皮的硬盘驱动器插入硬盘驱动器托架；然后将它们安装牢固并重新安装外盖。
11. 重新安装螺钉。

**注：** 您可以用安全螺钉替换原来的螺钉以防止轻易卸下硬盘驱动器。装运的组件中可能没有安全螺钉。然而，您可访问 [www.nabsnet.com](http://www.nabsnet.com)，直接从 NABS 购买螺钉。

12. 重新安装电池。
13. 把交流电源适配器及电缆连接到计算机。

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## 關於 ThinkPad 硬碟機

本節提供處理及更換 ThinkPad 硬碟機的相關資訊。

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### 處理硬碟機

若要保護您的硬碟機，請遵照下列預防措施：

- 準備好要在 ThinkPad 電腦中安裝硬碟機時，才打開防靜電袋。如果您必須放置硬碟機，請先把防靜電袋放在平坦墊高的表面上，再將硬碟機放在防靜電袋上，同時請將元件面朝上。
- 小心拿取硬碟機。如果硬碟機掉落或受到震動，磁碟機槽內部的元件可能會損壞。
- 減少身體的移動。移動會導致您周圍產生靜電。
- 避免讓硬碟機受到震動。
- 拿取硬碟機時，請務必手握邊緣。
- 請勿觸摸硬碟機上外曝的元件。
- 請勿重壓硬碟機的機殼。

#### 請注意：

硬碟機的結構相當精細。不當的操作可能導致硬碟機損壞，且會使硬碟機上的資料永久遺失。在拆卸硬碟機之前，請為硬碟機上所有資料備份，然後關閉電腦。請勿在系統運作中、待機模式或休眠模式時拆卸硬碟機。

---

### 更換硬碟機

請僅在進行升級或維修時，才更換硬碟機。硬碟機的連接器和機槽不適合進行經常性的更換或磁碟機抽換。

**註：**依照您的 ThinkPad 電腦機型，下列步驟可能會有所不同。如需詳細說明，請參閱您的系統說明文件。

若要更換硬碟機，請完成下列步驟：

1. 關閉 ThinkPad 電腦電源。
2. 拔除電腦的 AC 整流器和所有接線。
3. 關閉顯示器，然後將電腦翻轉過來。
4. 取下電池。
5. 拆下固定硬碟機的螺絲。
6. 取下外殼，然後將固定片拉出以拆下硬碟。
7. 拆下硬碟機兩側的橡膠保護墊。

8. 打開新硬碟機的包裝。

**請注意：**

在打開硬碟機包裝之前，請務必閱讀第 1-29 頁的『處理硬碟機』。

9. 將橡膠保護墊裝到新硬碟機上。
10. 將裝上保護墊的硬碟機插入硬碟機機槽，然後穩固地將硬碟機裝好，再將外殼蓋回。
11. 重新鎖上螺絲。

**註：**您可以將螺絲更換為安全螺絲，充分固定硬碟機，讓硬碟機不易拆卸。產品包裝中可能不會附有安全螺絲。然而，您可以直接從 NABS（網址為 [www.nabsnet.com](http://www.nabsnet.com)）購買螺絲。

12. 重新裝回電池。
13. 將 AC 整流器和接線重新接回電腦上。

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## ThinkPad ハードディスクについて

ここでは、ご使用の ThinkPad ハードディスクの取り扱いおよび交換方法について説明します。

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### ハードディスクの取り扱い方法

ハードディスク保護のため、以下の注意を順守してください。

- ThinkPad にドライブを取り付ける準備ができるまで、ドライブは帯電防止バッグに入れておきます。ドライブを下に置く必要がある場合は、平らなパッドを敷いた表面に帯電防止バッグを置き、その上に上向きに置いてください。
- ドライブは注意して取り扱ってください。ドライブを落としたり、ぶつけたりとすると、ドライブの中の部品が損傷するおそれがあります。
- 移動は最小限にします。移動により静電気が蓄積されることがあります。
- ドライブに物理的な衝撃を与えないでください。
- ドライブの端を持って取り扱います。
- 露出した部品に触れないでください。
- カバーに圧力をかけないでください。

#### 重要:

このドライブは、慎重に取り扱ってください。取り扱いを誤ると、重大な損傷やハードディスク内のデータの損失の原因となります。ハードディスクを取り外す前に、ハードディスク内のすべての情報のバックアップ・コピーを作成し、その後にコンピューターの電源をオフにします。システムの作動中やスタンバイ・モード中、あるいはハイバネーション・モード中には、ハードディスクを絶対に取り外さないでください。

---

### ハードディスクの交換方法

ハードディスクの交換は、アップグレードまたは修理が必要な場合のみ行ってください。ハードディスクのコネクターおよびベイは、頻繁な変更やスワッピング用には設計されていません。

**注:** 以下の手順は ThinkPad のモデルにより異なることがあります。詳細な手順はご使用のシステムの文書を参照してください。

ハードディスクの交換は、以下の手順を完了してください。

1. ThinkPad の電源をオフにします。
2. AC アダプターとすべてのケーブルを外します。

3. ディスプレイを閉じてから本体を裏返しにします。
4. バッテリーを取り外します。
5. ハードディスクを固定しているねじを取り外します。
6. カバーを外してから、タブを引いてハードディスクを取り外します。
7. ハードディスクのサイド・ラバーを取り外します。
8. 包装を解いて新しいハードディスクを取り出します。

#### 重要

ハードディスクの包装を解く前に、必ず 1-31 ページの『ハードディスクの取り扱い方法』をお読みください。

9. 新しいハードディスクのサイド・ラバーを取り付けます。
10. ハードディスクとサイド・ラバーをハードディスクのベイに挿入し、その後しっかりと取り付けます。
11. ねじを取り付け直します。

注: ハードディスクが簡単に外れないように、ねじを保護ねじに取り替えることができます。保護ねじは同梱物に含まれていないことがあります。ねじは [www.nabsnet.com](http://www.nabsnet.com) (英語のサイトです) の NABS で直接お求めになれます。

12. バッテリーを再度取り付けます。
13. AC アダプターとケーブルを本体に接続します。

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## Appendix A. Service and Support

The following information describes the technical support that is available for your product, during the warranty period or throughout the life of the product. Refer to your Lenovo Statement of Limited Warranty for a full explanation of Lenovo warranty terms.

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### Online technical support

Online technical support is available during the life of your product through the Personal Computing Support Web site at <http://www.lenovo.com/think/support>.

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your option is installed in a ThinkPad or ThinkCentre computer, you might be entitled to service at your location. Your technical support representative can help you determine the best alternative.

---

### Telephone technical support

Installation and configuration support through the Customer Support Center will be withdrawn or made available for a fee, at Lenovo's discretion, 90 days after the option has been withdrawn from marketing. Additional support offerings, including step-by-step installation assistance, are available for a nominal fee.

To assist the technical support representative, have available as much of the following information as possible:

- Option name
- Option number
- Proof of purchase
- Computer manufacturer, model, serial number, and manual
- Exact wording of the error message (if any)
- Description of the problem
- Hardware and software configuration information for your system

If possible, be at your computer. Your technical support representative might want to walk you through the problem during the call.

For a list of Service and Support phone numbers, see "Worldwide telephone list" on page B-15. Phone numbers are subject to change without notice. For

the most current phone numbers, go to <http://www.lenovo.com/think/support> and click **Support phone list**. If the number for your country or region is not listed, contact your reseller or Lenovo marketing representative.



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## Appendix B. Warranty information

### Warranty Information

The complete Statement of Limited Warranty is available in 29 languages and may be viewed online at <http://www.lenovo.com/think/warranty> or can be obtained by calling the phone number for your country in the telephone list below.

Warranty Information applicable to your Machine:

1. Warranty Period: 1 year
2. Type of Warranty Service: Customer Replaceable Unit ("CRU") and Customer Carry-In or Mail-In Service
3. Statement of Limited Warranty Version: LSOLW-00 05/2005

For warranty service consult the telephone list below. For service in countries not yet listed, visit [www.lenovo.com/think/support](http://www.lenovo.com/think/support) and click Support Phone List for a current telephone listing. Phone numbers are subject to change without notice.

### Garantie

La Déclaration de Garantie complète, disponible dans 29 langues, est accessible en ligne, à l'adresse <http://www.lenovo.com/think/warranty> ou peut être obtenue en appelant le numéro de téléphone correspondant à votre pays dans la liste ci-après.

Garantie applicable à votre Machine :

1. Période de garantie : 1 an
2. Type de service de garantie : Unité remplaçable par l'utilisateur et service après-vente en magasin ou par courrier
3. Version de la Déclaration de Garantie : LSOLW-00 05/2005

Pour connaître les services de garantie, consultez la liste de numéros de téléphone ci-après. Pour les services de garantie dans les pays ne figurant pas dans cette liste, reportez-vous au site <http://www.lenovo.com/think/support/> et cliquez sur Support Phone List pour obtenir une liste de numéros de téléphone en cours. Les numéros de téléphone font l'objet de modification sans préavis.

## Información de garantía

El documento completo de Declaración de garantía limitada está disponible en 29 idiomas y se puede consultar en línea desde la dirección <http://www.lenovo.com/think/warranty> o puede conseguirlo llamando al número de teléfono de su país que figura en la lista siguiente.

Información de garantía aplicable a su máquina:

1. Período de garantía: 1 año
2. Tipo de servicio de garantía: Unidad reemplazable por el cliente ("CRU") y servicio de transporte por parte del usuario o correo
3. Versión de la declaración de garantía limitada: LSOLW-00 05/2005.

Si desea información sobre el servicio de garantía, consulte la lista de teléfonos siguiente. Para obtener servicio en los países que no figuran listados, visite [www.lenovo.com/think/support](http://www.lenovo.com/think/support) y pulse Support Phone List para conseguir un listado telefónico actualizado. Los números de teléfono están sujetos a cambio sin previo aviso.

## Gewährleistungsinformationen

Die vollständige Erklärung über begrenzte Gewährleistung steht in 29 Sprachen zur Verfügung und kann online unter <http://www.lenovo.com/think/warranty> angezeigt werden. Sie können die Erklärung auch über die unten angegebene Telefonnummer für Ihr Land anfordern.

Für Ihre Maschine gelten folgende Gewährleistungsinformationen:

1. Gewährleistungszeitraum: 1 Jahr
2. Art des Gewährleistungsservice: "CRU"-Service (Customer Replaceable Unit, durch den Kunden austauschbare Funktionseinheit) und Anlieferung durch den Kunden oder per Versand
3. Version der Erklärung über begrenzte Gewährleistung: LSOLW-00 05/2005

Um Gewährleistungsservice in Anspruch zu nehmen, rufen Sie die entsprechende Telefonnummer aus der folgenden Liste an. Um Service in noch nicht aufgelisteten Ländern anzufordern, rufen Sie die Website unter [www.lenovo.com/think/support](http://www.lenovo.com/think/support) auf, und klicken Sie auf "Support Phone List". Daraufhin wird eine aktuelle Liste mit Telefonnummern angezeigt. Telefonnummern können jederzeit ohne Vorankündigung geändert werden.

## Informazioni sulla garanzia

Le informazioni complete sulle istruzioni di garanzia limitata sono disponibili in 29 lingue può essere visualizzato online nel sito <http://www.lenovo.com/think/warranty> oppure si può ottenere tramite chiamata telefonica al numero telefonico del proprio paese nell'elenco sottostante.

Informazioni di garanzia applicabili alla propria macchina:

1. Periodo di garanzia: 1 anno
2. Tipo del servizio di garanzia: Customer Replaceable Unit ("CRU") e Customer Carry-In o Mail-In Service
3. Dichiarazioni della versione del limite di garanzia: LSOLW-00 05/2005

Per il servizio di garanzia consultare l'elenco telefonico riportato di seguito. Per il servizio nei paesi non in elenco, visitare il sito [www.lenovo.com/think/support](http://www.lenovo.com/think/support) e fare clic su supporto Elenco telefonico per un elenco telefonico corrente. I numeri telefonici sono soggetti a modifiche senza previa notifica.

Informações de Garantia

A Declaração de Garantia Limitada completa está disponível em 29 idiomas e pode ser exibida utilizando-se o CD do produto ou on-line no endereço <http://www.lenovo.com/think/warranty>. Ela também pode ser obtida ligando para o número de telefone de seu país na lista de telefones abaixo.

Informações de garantia aplicáveis ao seu computador:

1. Período de Garantia: 1 ano
2. Tipo de Serviço de Garantia: CRU (Customer Replaceable Unit) e Serviço de Atendimento ou Mala Direta ao Cliente
3. Versão da Declaração de Garantia Limitada: LSOLW-00 05/2005

Para obter o serviço de garantia, consulte a lista telefônica abaixo. Para serviços em países que ainda não estão listados, visite o endereço [www.lenovo.com/think/support](http://www.lenovo.com/think/support) e clique em Support Phone List para obter uma lista atual de telefones. Os números de telefone estão sujeitos a alteração sem aviso prévio.

## Πληροφορίες σχετικά με την Εγγύηση

Το πλήρες κείμενο της Δήλωσης Περιορισμένης Εγγύησης είναι διαθέσιμο σε 29 γλώσσες και μπορεί να εξεταστεί από την ιστοσελίδα <http://www.lenovo.com/think/warranty> ή να παραγγελθεί στον αριθμό τηλεφώνου που αναφέρεται για τη χώρα σας στον παρακάτω τηλεφωνικό κατάλογο.

Πληροφορίες σχετικά με την Εγγύηση που ισχύει για τη Μηχανή σας:

1. Περίοδος Εγγύησης: 1 έτος
2. Είδος Υπηρεσιών Εγγύησης: Υπηρεσία Μονάδων Αντικαθιστώμενων από τον Πελάτη ("CRU") και Υπηρεσίες με Μεταφορά ή Αποστολή από τον Πελάτη
3. Εκδοχή της Δήλωσης Περιορισμένης Εγγύησης: LSOLW-00 05/2005

Για τη λήψη υπηρεσιών εγγύησης, συμβουλευτείτε τον παρακάτω τηλεφωνικό κατάλογο. Για τη λήψη υπηρεσιών εγγύησης σε χώρα που δεν περιλαμβάνεται στον κατάλογο, επισκεφθείτε την ιστοσελίδα [www.lenovo.com/think/support](http://www.lenovo.com/think/support) και επιλέξτε Support Phone List για να πληροφορηθείτε τους τρέχοντες αριθμούς τηλεφώνου. Οι αριθμοί τηλεφώνου υπόκεινται σε αλλαγή χωρίς ειδοποίηση.

### Informatie over de garantie

De volledig Verklaring van beperkte garantie is beschikbaar in 29 talen en kan worden ingezien online op <http://www.lenovo.com/think/warranty> of kan worden verkregen door het telefoonnummer van uw land in de lijst hieronder te bellen.

Garantie-informatie voor uw Machine:

1. Garantieperiode: 1 year
2. Type garantieservice: CRU (Customer Replaceable Unit) en Customer Carry-In of Mail-In Service
3. Versie van Verklaring van beperkte garantie: LSOLW-00 05/2005

Voor garantieservice raadpleegt u de telefoonlijst hieronder. Voor niet genoemde landen gaat u naar [www.lenovo.com/think/support](http://www.lenovo.com/think/support) en klikt u op Support Phone List voor een actuele telefoonlijst. Telefoonnummers kunnen zonder voorafgaand bericht worden gewijzigd.

### Garantioplysninger

Det fulde Servicebevis (Statement of Limited Warranty) er oversat til 29 sprog og kan læses online på adressen <http://www.lenovo.com/think/warranty> eller kan fås ved at ringe til telefonnummeret for Deres land i nedenstående telefonliste.

Garantioplysninger for Deres Maskine:

1. Garantiperiode: 1 år
2. Servicetype i garantiperioden: CRU-service (Customer Replaceable Unit) og indleveringsservice eller indsendelsesservice
3. Version af Servicebevis: LSOLW-00 05/2005

Se nedenstående telefonliste vedr. garantiservice. Lande, som ikke er nævnt i listen, findes på adressen [www.lenovo.com/think/support](http://www.lenovo.com/think/support). Klik på Support Phone List for at få vist en aktuel liste over telefonnumre. Telefonnumre kan ændres uden forudgående varsel.

Takuutiedot

Rajoitetun takuun ehdot sisältävä asiakirja on saatavana 29 eri kielellä, ja sitä voi tarkastella siirtymällä WWW-osoitteeseen <http://www.lenovo.com/think/warranty>, tai sen voi pyytää soittamalla jäljempänä olevassa puhelinnumeroluettelossa olevaan maakohtaiseen numeroon.

Konetta koskevat takuutiedot:

1. Takuuaika: 1 vuosi
2. Takuupalvelun laji: Asiakkaan vaihdettavissa olevia osia (CRU) koskeva palvelu ja asiakkaan toteuttama kuljetus tai postikuljetus
3. Rajoitetun takuun ehtojen versio: LSOLW-00 05/2005

Saat takuupalveluja soittamalla sopivaan alla olevan luettelon puhelinnumeroon. Jos haluamaasi maata ei ole vielä luettelossa, siirry WWW-osoitteeseen [www.lenovo.com/think/support](http://www.lenovo.com/think/support) ja napsauta Support Phone List -linkkiä, jotta näkyviin tulee ajan tasalla oleva maakohtaisten palvelupuhelinnumeroiden luettelo. Puhelinnumerot voivat muuttua ilman ennakoilmoitusta.

Garantibetingelser

De fullstendige garantibetingelsene er tilgjengelige på 29 språk på nettadressen <http://www.lenovo.com/think/warranty> eller kan bestilles ved å ringe telefonnummeret for ditt land på telefonlisten nedenfor.

Garantibetingelser som gjelder for din maskin:

1. Garantiperiode: 1 år
2. Type garantiservice: Customer Replaceable Unit ("CRU") og service med innlevering eller innsending
3. Versjon av garantibetingelser: LSOLW-00 05/2005

For garantiservice, se telefonlisten nedenfor. For service i land som ikke er på listen ennå, gå til [www.lenovo.com/think/support](http://www.lenovo.com/think/support) og klikk på Support Phone List for å få en oppdatert telefonliste. Telefonnumre kan endres uten forhåndsvarsel.

#### Garantibetingelser

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Garantibetingelser som gjelder for din maskin:

1. Garantiperiode: 1 år
2. Type garantiservice: Customer Replaceable Unit ("CRU") og service med innlevering eller innsending
3. Versjon av garantibetingelser: LSOLW-00 05/2005

For garantiservice, se telefonlisten nedenfor. For service i land som ikke er på listen ennå, gå til [www.lenovo.com/think/support](http://www.lenovo.com/think/support) og klikk på Support Phone List for å få en oppdatert telefonliste. Telefonnumre kan endres uten forhåndsvarsel.

## Informacje gwarancyjne

Kompletne Warunki Ograniczonej Gwarancji są dostępne w 29 językach i można się je uzyskać korzystając adresu <http://www.lenovo.com/think/warranty> lub dzwoniąc pod numer telefonu dla danego kraju, znajdujący się na poniższej liście.

Informacje gwarancyjne mające zastosowanie do Maszyny Klienta:

1. Okres gwarancyjny: 1 rok
2. Typ serwisu gwarancyjnego: serwis polegający na dostarczeniu Części Wymienianych przez Klienta (Customer Replaceable Unit - CRU) oraz serwis z wysyłką lub transportem przez Klienta
3. Warunki Ograniczonej Gwarancji, wersja: LSOLW-00 05/2005

Lista telefonów do osób odpowiedzialnych za serwis gwarancyjny znajduje się poniżej. Aktualne numery telefonów do osób odpowiedzialnych za serwis w krajach nieuwzględnionych poniżej można znaleźć pod adresem [www.lenovo.com/think/support](http://www.lenovo.com/think/support), klikając przycisk Support Phone List. Numery telefonów mogą ulec zmianie bez powiadomienia.

## Informações Sobre a Garantia

A Declaração de Garantia Limitada encontra-se disponível em 29 idiomas e pode ser consultada em linha no endereço <http://www.lenovo.com/think/warranty> ou pode ser obtida ligando para o número de telefone do respectivo país disponível na lista de telefones em baixo.

Informação sobre garantia aplicável à Máquina:

1. Período de Garantia: 1 ano
2. Tipo de Serviço de Garantia: Unidade Substituível pelo Cliente ("CRU") e Serviço de Entrega ou Envio
3. Versão da Declaração de Garantia Limitada: LSOLW-00 05/2005

Para obter o número de telefone de contacto do serviço de garantia, consulte a lista de números telefone abaixo apresentada. Para obter o serviço em países que ainda não constam na lista, consulte o Web site [www.lenovo.com/think/support](http://www.lenovo.com/think/support) e faça clique em Support Phone List para obter uma lista telefónica actual. Os números de telefone estão sujeitos a alteração sem aviso prévio.

## Garantiinformation

Den fullständiga Begränsade garantin (Statement of Limited Warranty) finns på 29 språk och kan läsas i sin helhet på webben, adress <http://www.lenovo.com/think/warranty> Du kan också beställa den på ditt lands telefonnummer i listan nedan.

Garantiinformation som gäller den här Maskinen:

1. Garantiid: 1 år
2. Typ av garantiservice: Kunden byter ut delar ("CRU" - Customer Replaceable Unit) och Kunden lämnar in (Customer Carry-In) eller skickar in (Mail-In) Maskinen på service
3. Begränsad garanti, version: LSOLW-00 05/2005

Telefonnummer till ställen där du kan få garantiservice finns i listan nedan.

Länder som ännu inte finns i listan kan du hitta på

<http://www.lenovo.com/think/support/> Klicka på Support Phone List så får du en aktuell telefonlista. Telefonnummer kan komma att ändras utan att du meddelas om detta.

## Záručné informácie

Kompletné Vyhlásenie o obmedzenej záruke je k dispozícii v 29 jazykoch a môžete si ho pozrieť online na <http://www.lenovo.com/think/warranty> alebo ho získate, keď zavoláte na telefónne číslo vašej krajiny, uvedené v telefónnom zozname.

Záručné informácie týkajúce sa vášho Počítača:

1. Záručná doba: 1 rok
2. Typ záručného servisu: Customer Replaceable Unit ("CRU") a Customer Carry-In alebo Mail-In Service
3. Verzia vyhlásenia o obmedzenej záruke: LSOLW-00 05/2005

Záručný servis konzultujte na čísle v dole uvedenom telefónnom zozname. Servis v krajinách, ktoré tu nie sú uvedené, nájdete na [www.lenovo.com/think/support](http://www.lenovo.com/think/support). Po kliknutí na Support Phone List nájdete aktuálny telefónny zoznam. Telefónne čísla sú predmetom zmeny bez upozornenia.



## Garancijske informacije

Celotna izjava o omejeni garanciji je na voljo v 29 jezikih, ogledate si jo lahko naspletni strani <http://www.lenovo.com/think/warranty> oz. jo pridobite tako, da pokličete telefonsko številko za vašo državo s spodnjega seznama telefonskih števil.

Garancijski pogoji, ki veljajo za vaš računalnik:

1. Garancijsko obdobje: 1 leto
2. Vrsta garancijskega servisa: del, ki ga lahko zamenja stranka ("CRU"), in strankina ali poštna dostava na servis
3. Različica izjave o omejeni garanciji: LSOLW-00 05/2005

Za garancijski servis si oglejte spodnji seznam telefonskih števil. Za servis v državah, ki jih seznam še ne vključuje, obiščite [www.lenovo.com/think/support](http://www.lenovo.com/think/support) in za najnovejši seznam telefonskih števil kliknite Support Phone List (Seznam telefonskih števil za podporo). Pridržujemo si pravico do sprememb telefonskih števil brez predhodnega obvestila.

## Гаранционна информация

Пълният текст на Ограничените гаранционни условия е достъпен на 29 езика, и може да бъде прегледан онлайн на <http://www.lenovo.com/think/warranty>, или да бъде придобит чрез обаждане на телефонния номер за вашата страна в списъка с телефони по-долу.

Гаранционна информация, приложима за вашата Машина:

1. Гаранционен период: 1 година
2. Тип гаранционно обслужване: Подменяеми от клиента части ("CRU") и Обслужване с доставка от клиента или по пощата
3. Версия на Ограничените гаранционни условия: LSOLW-00 05/2005

Za гаранционно обслужване вижте списъка с телефони по-долу. Za обслужване в nespomnati zasega strani, posetete [www.lenovo.com/think/support](http://www.lenovo.com/think/support), и щракнете na Support Phone List za aktualen spisък na telefonите. Telefonните nomera podleжат na promяna bez predizvestie.

## Jótállási tájékoztatás

A Korlátozott jótállási nyilatkozat 29 nyelven rendelkezésre áll, és megtekinthető online módon a <http://www.lenovo.com/think/warranty> címen, vagy beszerezhető az országára vonatkozó, alábbi telefonszám felhívásával.

A gépre vonatkozó jótállási feltételek:

1. Jótállási időtartam: 1 év
2. Garanciális szerviz típusa: Felhasználó által cserélhető egység ("CRU") és beszállításos vagy postázásos szerviz
3. Korlátozott jótállási nyilatkozat száma: LSOLW-00 05/2005

A garanciális szervizről az alábbi telefonszámokon érdeklődhet. A fel nem sorolt országokban rendelkezésre álló szervizekről a [www.lenovo.com/think/support](http://www.lenovo.com/think/support) címen tájékozódhat (kattintson a Support Phone List elemre az aktuális telefonszámokért).

A telefonszámok bejelentés nélkül megváltozhatnak.

## Garanti Bilgileri

Sınırlı Garanti Bildirimi'nin tamamı 29 dile çevrilmiştir. Sınırlı Garanti Bildirimi'ni <http://www.lenovo.com/think/warranty> adresinden çevrimiçi olarak görüntüleyebilir ya da aşağıdaki telefon listesinde yer alan ülkenize ilişkin telefon numarasını arayarak edinebilirsiniz.

Makineniz için geçerli Garanti Bilgileri:

1. Garanti Süresi: 2 yıl
2. Garanti Hizmetinin Tipi: Müşteri Yerinde Hizmet ve Müşteri Tarafından Teslim ya da Postayla Teslim Hizmeti
3. Sınırlı Garanti Bildirimi'nin Sürümü: LSOLW-00 05/2005

Garanti hizmeti için aşağıdaki telefon listesine bakın. Listede olmayan ülkelerdeki hizmetler için [www.lenovo.com/think/support](http://www.lenovo.com/think/support) adresine gidip Support Phone List seçeneğini tıklatarak güncel telefon listesine ulaşabilirsiniz. Telefon numaraları bildirilmeden değiştirilebilir.

## Informacije o jamstvu

Potpuna Izjava o ograničenom jamstvu je dostupna na 29 jezika i može se vidjeti online na <http://www.lenovo.com/think/warranty> ili se može dobiti pozivom na telefonski broj za vašu zemlju iz donjeg popisa s brojevima telefona.

Informacije o jamstvu koje se odnose na vaš Stroj:

1. Period jamstva: 1 godina
2. Tip jamstvenog servisa: Korisnički zamjenjiva jedinica ("CRU") i servis s dostavom ili poštanskom otpremom korisnika
3. Izjava o ograničenom jamstvu Verzija: LSOLW-00 05/2005

Radi jamstvenog servisa pogledajte donji popis telefona. Za servis u zemljama koje još nisu na popisu posjetite <http://www.lenovo.com/think/support/> i kliknite Popis telefona za podršku za trenutni popis telefona. Telefonski brojevi se mogu promijeniti bez prethodne obavijesti.

## Informace o záruce

Úplné Prohlášení o omezené záruce je k dispozici v 29 jazycích a můžete si jej prohlédnout webové stránce <http://www.lenovo.com/think/warranty>, nebo si jej můžete telefonicky vyžádat. Čísla pro jednotlivé země jsou uvedena dále.

Informace o záruce vztahující se k vašemu stroji:

1. Záruční doba: 1 rok
2. Typ záručního servisu: CRU (Customer Replaceable Unit, díly vyměnitelné zákazníkem) a servis typu Customer Carry-In nebo Mail-In.
3. Prohlášení o omezené záruce, verze: LSOLW-00 05/2005

Informace o záručním servisu získáte na následujících telefonních číslech. Není-li na seznamu uvedeno číslo země, kterou hledáte, navštivte webové stránky [www.lenovo.com/think/support](http://www.lenovo.com/think/support), klepněte na odkaz Support Phone List (telefonní seznam podpory) a zobrazí se aktuální telefonní seznam. Telefonní čísla se mohou měnit bez předchozího upozornění.

## מידע אחריות

הצהרת האחריות המוגבלת המלאה זמינה ב-29 שפות,  
וניתן למצוא אותה באינטרנט, בכתובת  
<http://www.lenovo.com/think/warranty>

מידע אחריות הישים למחשב שלכם:

1. תקופת אחריות: שנה אחת
2. סוג של שירות אחריות: יחידות להחלפה עצמית ("CRU")  
ושירות נשיאה עצמית של לקוחות או משלוח בדואר
3. גרסת הצהרת האחריות המוגבלת: 05/2005 LSOLW-00

לקבלת שירות אחריות, עיינו ברשימת הטלפונים שלהלן.  
לקבלת שירות במדינות שאינן מפורטות, בקרו באתר  
[www.lenovo.com/think/support](http://www.lenovo.com/think/support), ולחצו על  
Support Phone List לקבלת רשימת טלפונים עדכנית.  
מספרי הטלפון ניתנים לשינוי ללא הודעה מראש.

## Информация о гарантии

Полный текст Заявления об ограниченной гарантии переведен на 29 языков; с ним можно ознакомиться на Web-сайте <http://www.lenovo.com/think/warranty> или позвонив по телефону; номер телефона для вашей страны приведен в нижеследующем списке.

Информация о гарантии для вашего компьютера:

1. Гарантийный срок: 1 год
2. Тип гарантийного обслуживания: Обслуживание при отказе узлов, подлежащих замене силами заказчика (CRU), и обслуживание при доставке или пересылке по почте силами заказчика.
3. Версия Заявления об ограниченной гарантии: LSOLW-00 05/2005

За гарантийным обслуживанием обращайтесь по телефонам, приведенным ниже. Если в списке нет телефона для вашей страны, посетите сайт <http://www.lenovo.com/think/support/> и щелкните по Support Phone List (Список телефонов поддержки), чтобы просмотреть текущий список телефонов. Приведенные здесь номера телефонов могут измениться без дополнительного уведомления.

البيان الكامل للضمان المحدود متاح في ٢٩ لغة ويمكن مشاهدته من خلال القرص المدمج للمنتج أو على الإنترنت بالموقع <http://www.lenovo.com/think/warranty> أو يمكن الحصول عليه بالاتصال برقم تليفون الخاص ببلدك في كشف التليفونات المعروض بأسفل .

معلومات الضمان التي سيتم تطبيقها على الجهاز الخاص بك:

1. فترة الضمان: سنة
2. نوع خدمة الضمان: ("CRU") Customer Replaceable Unit و Customer Carry-In أو Mail-In Service

3. بيان نسخة الضمان المحدود: LSOLW-00 05/2005

بالنسبة لخدمة الضمان، ارجع الى كشف التليفونات الموجود بأسفل. بالنسبة للبلاد التي لا يتم عرضها، ارجع الى الموقع [www.lenovo.com/think/support/](http://www.lenovo.com/think/support/) واضغط على دعم كشف التليفونات لعرض كشف التليفونات الحالي. أرقام التليفون عرضة للتغيير بدون أي إشعار.

## 保修信息

可以 29 种语言获取完整的“有限保证声明”，也可从 <http://www.lenovo.com/think/warranty> 在线查看该“有限保证声明”或者通过拨打以下电话列表中您所在国家的电话号码来获取该“有限保证声明”。

适用于您的机器的保修信息:

1. 保修期: 1 年
2. 保修服务类型: 客户可更换部件 (“CRU”) 和客户送修或邮寄服务
3. “有限保证声明”版本: LSOLW-00 05/2005

下面列出了关于保修服务的咨询电话。对于在未列出的国家或地区中的服务，请访问 [www.lenovo.com/think/support](http://www.lenovo.com/think/support) 并且单击 Support Phone List 以获取当前的电话列表。电话号码如有更改，恕不另行通知。

## 保固資訊

完整的有限保固聲明共有 29 個語言版本，您可從 <http://www.lenovo.com/think/warranty> 查閱，或撥打下列的本國電話號碼索取。

您的機器的保固資訊如下：

1. 保固期限：1 年
2. 保固服務類型：客戶可更換裝置 ("CRU") 及客戶親自或郵寄送修服務
3. 有限保證聲明版本：LSOLW-00 05/2005

保固維修服務電話清單如下。若找不到某些國家的服務電話，請造訪 [www.lenovo.com/think/support](http://www.lenovo.com/think/support)，然後按一下 Support Phone List 以查閱目前的電話清單。電話號碼若有變更恕不另行通知。

## 보증 정보

완료된 보증 제한 설명서는 29개 언어로 사용 가능하며, <http://www.lenovo.com/think/warranty>에서 온라인으로 볼 수 있고 아래 나열된 전화번호에서 해당 국가의 번호로 전화를 걸어 얻을 수 있습니다.

사용자 시스템에 적용되는 보증 정보:

1. 보증 기간: 1년
2. 보증 서비스 유형: 고객 교체 가능 유닛(CRU) 및 고객 직접 운송 또는 우편 서비스
3. 보증 제한 설명서 버전: LSOLW-00 05/2005

보증 서비스에 대해서는 아래 나열된 전화번호로 문의하십시오. 아직 목록에 반영되지 않은 국가에서의 서비스를 위해 [www.lenovo.com/think/support](http://www.lenovo.com/think/support)를 방문하여 Support Phone List를 누르면 최신 전화번호 목록을 알 수 있습니다. 전화번호는 사전 통고없이 변경될 수 있습니다.

## 保証情報

完全な「保証の内容と制限」は 29 か国語で提供され、Web サイトの <http://www.lenovo.com/think/warranty> でご覧になれます。または、下記の電話番号リストに記載された電話番号におかけいただいても入手することができます。

ご使用のマシンの保証情報は次のとおりです:

1. 保証期間: 1 年
2. 保証サービスの種類: お客様での取り替え可能部品 (CRU) および持ち込みまたは郵送サービス
3. 保証の内容と制限のバージョン: LSOLW-00 05/2005

保証サービスについては、以下リストにある電話番号にお問い合わせください。リストにない国におけるサービスについては、Web サイト <http://www.lenovo.com/think/support> にアクセスして、「Support Phone List」をクリックして最新の電話番号リストをご覧ください。電話番号は、予告なしに変更される場合があります。

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## Worldwide telephone list

Phone numbers are subject to change without notice. For the most current phone numbers, go to <http://www.lenovo.com/think/support> and click **Support phone list**.

Country or Region	Telephone Number
Africa	Africa: +44 (0)1475 555 055 South Africa: +27 11 3028888 and 0800110756 Central Africa: Contact the nearest IBM Business Partner
Argentina	0800-666-0011 (Spanish)
Australia	131-426 (English)
Austria	01-24592-5901 01-211-454-610 (German)
Belgium	02-210-9820 (Dutch) 02-210-9800 (French) 02-225-3611 (Dutch, French)
Bolivia	0800-0189 (Spanish)

Country or Region	Telephone Number
Brazil	Sao Paulo region: (11) 3889-8986 Toll free outside Sao Paulo region: 0800-7014-815 (Brazilian Portuguese)
Canada	1-800-565-3344 (English, French) In Toronto only call: 416-383-3344
Chile	800-224-488 (Spanish)
China	800 810 1818 (Mandarin)
China (Hong Kong S.A.R.)	Home PC: 852 2825 7799 Commercial PC: 852 8205 0333 ThinkPad and WorkPad: 852 2825 6580 (Cantonese, English, Putonghua)
Colombia	1-800-912-3021 (Spanish)
Costa Rica	284-3911 (Spanish)
Croatia	0800-0426
Cyprus	+357-22-841100
Czech Republic	+420-2-7213-1316
Denmark	4520-8200 7010-5150 (Danish)
Dominican Republic	566-4755 566-5161 ext. 8201 Toll Free within the Dominican Republic: 1-200-1929 (Spanish)
Ecuador	1-800-426911 (Spanish)
El Salvador	250-5696 (Spanish)
Estonia	+386-61-1796-699
Finland	09-459-6960 +358-800-1-4260 (Finnish)
France	0238-557-450 Hardware 0810-631-213 Software 0810-631-020 (French)
Germany	07032-15-49201 01805-25-35-58 (German)
Greece	+30-210-680-1700
Guatemala	335-8490 (Spanish)
Honduras	Tegucigalpa & San Pedro Sula: 232-4222 San Pedro Sula: 552-2234 (Spanish)
Hungary	+36-1-382-5720
India	1600-44-6666 Alternate Toll Free: +91-80-2678-8940 (English)



Country or Region	Telephone Number
Indonesia	800-140-3555 +62-21-251-2955 (Bahasa, Indonesian, English)
Ireland	01-815-9202 01-881-1444 (English)
Italy	02-7031-6101 +39-800-820094 (Italian)
Japan	<p>Desktop: Toll free: 0120-887-870 For International: +81-46-266-4724</p> <p>ThinkPad: Toll free: 0120-887-874 For International: +81-46-266-4724</p> <p>Both of the above numbers will be answered with a Japanese language voice prompt. For telephone support in English, please wait for the Japanese voice prompt to end, and an operator will answer. Please ask for "English support please," and your call will be transferred to an English speaking operator.</p> <p>PC Software: 0120-558-695 Overseas calls: +81-44-200-8666 (Japanese)</p>
Korea	1588-5801 (Korean)
Latvia	+386-61-1796-699
Lithuania	+386-61-1796-699
Luxembourg	+352-298-977-5063 (French)
Malaysia	1800-88-8558 (English)
Malta	+356-23-4175
Mexico	001-866-434-2080 (Spanish)
Middle East	+44 (0)1475-555-055
Netherlands	+31-20-514-5770 (Dutch)
New Zealand	0800-446-149 (English)
Nicaragua	255-6658 (Spanish)
Norway	6681-1100 8152-1550 (Norwegian)
Panama	206-6047 (Spanish)
Peru	0-800-50-866 (Spanish)

Country or Region	Telephone Number
Philippines	1800-1888-1426 (English) +63-2-995-8420 (Filipino)
Poland	+48-22-878-6999
Portugal	+351-21-892-7147 (Portuguese)
Romania	+4-021-224-4015
Russian Federation	+7-095-940-2000 (Russian)
Singapore	1800-3172-888 (English, Bahasa, Melayu)
Slovakia	+421-2-4954-1217
Slovenia	+386-1-4796-699
Spain	91-714-7983 91-397-6503 (Spanish)
Sri Lanka	+94-11-2448-442 (English)
Sweden	08-477-4420 077-117-1040 (Swedish)
Switzerland	058-333-0900 0800-55-54-54 (German, French, Italian)
Taiwan	886-2-8723-9799 (Mandarin)
Thailand	1-800-299-229 (Thai)
Turkey	00800-4463-2041 (Turkish)
United Kingdom	01475-555-055 Hardware 08705-500-900 Software 08457-151-516 (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: 84-4-843-6675 For southern area and Ho Chi Minh City: 84-8-829-5160 (English, Vietnamese)

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## Guarantee supplement for Mexico

This supplement is considered part of Lenovo's Statement of Limited Warranty and shall be effective solely and exclusively for products distributed and commercialized within Territory of the Mexican United States. In the event of a conflict, the terms of this supplement shall apply.

All software programs pre-loaded in the equipment shall only have a thirty-(30) day guarantee for installation defects from the date of purchase. Lenovo is

not responsible for the information in such software programs and/or any additional software programs installed by you or installed after purchase of the product.

Services not chargeable to the guarantee shall be charged to the final user, prior an authorization.

In the event that warranty repair is required please call the Customer Support Center at 001-866-434-2080, where you will be directed to the nearest Authorized Service Center. Should no Authorized Service Center exist in your city, location or within 70 kilometers of your city or location, the guarantee includes any reasonable delivery charges related to the transportation of the product to our nearest Authorized Service Center. Please call the nearest Authorized Service Center to obtain the necessary approvals or information concerning the shipment of the product and the shipment address.

To obtain a list of Authorized Service Centers, please visit:

<http://www.lenovo.com/think/support/site.wss/document.do?lndocid=MIGR-44986&sitestyle=lenovo>

**Manufactured by:**

**SCI Systems de México, S.A. de C.V.**  
**Av. De la Solidaridad Iberoamericana No. 7020**  
**Col. Club de Golf Atlas**  
**El Salto, Jalisco, México**  
**C.P. 45680,**  
**Tel. 01-800-3676900**

**Marketing by:**

**Lenovo de México, Comercialización y**  
**Servicios, S. A. de C. V.**  
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**Delegación Álvaro Obregón**  
**México, D.F., México**  
**C.P. 01210,**  
**Tel. 01-800-00-325-00**



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## Appendix C. Notices

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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.

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## Appendix D. Electronic Emissions notices

The following information refers to the ThinkPad Hard Disk Drive.

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### Federal Communications Commission (FCC) Declaration of Conformity

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an authorized dealer or service representative for help.

Lenovo is not responsible for any radio or television interference caused by using other than recommended cables or connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible party:

Lenovo (United States) Inc.  
One Manhattanville Road  
Purchase, New York 10577  
Telephone: (919) 254-0532



Tested To Comply  
With FCC Standards

FOR HOME OR OFFICE USE

### **Industry Canada Class B emission compliance statement**

This Class B digital apparatus complies with Canadian ICES-003.

### **Avis de conformité à la réglementation d'Industrie Canada**

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

### **EU-EMC Directive (89/336/EG) EN 55022 class B Statement of Compliance**

#### **Deutschsprachiger EU Hinweis:**

**Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit** Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 89/336/EWG zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten.

und hält die Grenzwerte der EN 55022 Klasse B ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der Lenovo empfohlene Kabel angeschlossen werden. Lenovo übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung der Lenovo verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung der Lenovo gesteckt/eingebaut werden.

**Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten** Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 89/336/EWG in der Bundesrepublik Deutschland.

**Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) vom 18. September 1998 (bzw. der EMC EG Richtlinie 89/336) für Geräte der Klasse B** Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.



Verantwortlich für die Konformitätserklärung nach Paragraf 5 des EMVG ist die Lenovo (Deutschland) GmbH, Pascalstr. 100, D-70569 Stuttgart. Informationen in Hinsicht EMVG Paragraf 4 Abs. (1) 4:

**Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.)**

### **European Union - Compliance to the Electromagnetic Compatibility Directive**

This product is in conformity with the protection requirements of EU Council Directive 89/336/ECC on the approximation of the laws of the Member States relating to electromagnetic compatibility. Lenovo cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-Lenovo option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication devices.

### **Avis de conformité à la directive de l'Union Européenne**

Le présent produit satisfait aux exigences de protection énoncées dans la directive 89/336/CEE du Conseil concernant le rapprochement des législations des Etats membres relatives à la compatibilité électromagnétique. Lenovo décline toute responsabilité en cas de non-respect de cette directive résultant d'une modification non recommandée du produit, y compris l'ajout de cartes en option non Lenovo.

Ce produit respecte les limites des caractéristiques d'immunité des appareils de traitement de l'information définies par la classe B de la norme européenne EN 55022 (CISPR 22). La conformité aux spécifications de la classe B offre une garantie acceptable contre les perturbations avec les appareils de communication agréés, dans les zones résidentielles.

### **Unione Europea - Directiva EMC (Conformidad electromagnética)**

Este producto satisface los requisitos de protección del Consejo de la UE, Directiva 89/336/CEE en lo que a la legislatura de los Estados Miembros sobre compatibilidad electromagnética se refiere.

Lenovo no puede aceptar responsabilidad alguna si este producto deja de satisfacer dichos requisitos de protección como resultado de una modificación no recomendada del producto, incluyendo el ajuste de tarjetas de opción que no sean Lenovo.

Este producto ha sido probado y satisface los límites para Equipos Informáticos Clase B de conformidad con el Estándar Europeo EN 55022. Los límites para los equipos de Clase B se han establecido para entornos residenciales típicos a fin de proporcionar una protección razonable contra las interferencias con dispositivos de comunicación licenciados.

### Union Europea - Normativa EMC

Questo prodotto è conforme alle normative di protezione ai sensi della Direttiva del Consiglio dell'Unione Europea 89/336/CEE sull'armonizzazione legislativa degli stati membri in materia di compatibilità elettromagnetica.

Lenovo non accetta responsabilità alcuna per la mancata conformità alle normative di protezione dovuta a modifiche non consigliate al prodotto, compresa l'installazione di schede e componenti di marca diversa da Lenovo.

Le prove effettuate sul presente prodotto hanno accertato che esso rientra nei limiti stabiliti per le apparecchiature di informatica Classe B ai sensi della Norma Europea EN 55022. I limiti delle apparecchiature della Classe B sono stati stabiliti al fine di fornire ragionevole protezione da interferenze mediante dispositivi di comunicazione in concessione in ambienti residenziali tipici.

### Korea Class B Compliance

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Japanese statement of compliance for products less than or equal to 20 A per phase

# 高調波ガイドライン適合品



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# ThinkPad

Part Number: 40Y8742

(1P) P/N: 40Y8742

