



Carte CardBus USB 2.0 pour ThinkPad IBM

*Guide d'installation et de
garantie*

Remarque

Avant d'utiliser ce document et le produit qu'il décrit, veuillez prendre connaissance des annexes.

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Préface

Le présent manuel contient des instructions pour l'installation et l'utilisation de la Carte CardBus USB 2.0 pour ThinkPad IBM. Il comporte les sections suivantes :

Partie 1 : Installation et guide de l'utilisateur

Cette section contient une description du produit ainsi que des instructions d'installation et d'exécution dans les langues suivantes :

- Anglais
- Allemand
- Français
- Espagnol
- Italien
- Portugais (Brésil)
- Chinois traditionnel
- Japonais

Partie 2 : Annexes

Cette section contient les informations relatives à l'identification et la résolution des incidents, à la garantie ainsi qu'aux remarques légales.

Enregistrement de votre option

Nous vous remercions d'avoir acheté l'une des OPTIONS IBM. Veuillez consacrer quelques instants à l'enregistrement de votre produit, ce qui nous donnera les informations qui permettront à IBM de mieux vous servir à l'avenir. Vos commentaires sont pour nous une aide précieuse car ils nous permettent de développer des produits et des services qui sont stratégiques pour vous ; ils nous aident en outre à optimiser la communication avec vous. Enregistrez votre option sur le site Web IBM à l'adresse :

<http://www.ibm.com/pc/register>

IBM vous fera parvenir des informations et des mises à jour concernant le produit que vous enregistrez, à moins que vous n'indiquiez sur le questionnaire du site Web que vous ne désirez pas être contacté.

Guide d'installation et de garantie

La présente section contient les instructions pour l'installation et l'utilisation de la Carte CardBus USB 2.0 pour ThinkPad IBM.

Description du produit

La Carte CardBus USB 2.0 pour ThinkPad vous permet de connecter un ordinateur portable à des unités USB (bus série universel). La Carte CardBus USB 2.0 pour ThinkPad est installée dans l'emplacement de carte PC Card (PCMCIA) et elle est compatible avec la nouvelle norme USB Hi-Speed. Cette nouvelle norme permet des vitesses de connexion bien plus grandes vers une gamme d'unités plus importante. La carte CardBus USB 2.0 pour ThinkPad est également compatible avec les unités USB 1.0 et 1.1 précédentes. Cette carte est un dispositif prêt à l'emploi sur la plupart des systèmes d'exploitation de Microsoft.

Configuration matérielle et logicielle requise

La carte CardBus USB 2.0 pour ThinkPad requiert un ordinateur équipé d'un emplacement pour carte PC Card et l'un des systèmes d'exploitation suivants :

- Microsoft Windows XP
- Microsoft Windows 2000 Professional
- Microsoft Windows Millennium Edition (Me)
- Microsoft Windows 98 Second Edition (SE)

Ce coffret d'option contient les éléments suivants :

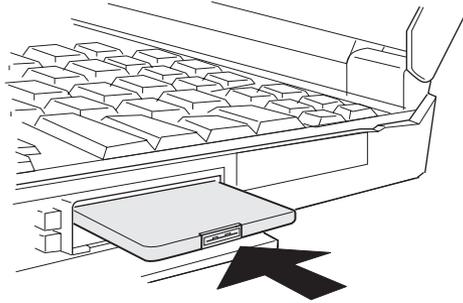
- Carte CardBus USB 2.0 ThinkPad
- Cordon d'interface
- CD d'installation
- *Guide de garantie.*

Préparez les CD ou les disquettes des systèmes d'exploitation dont vous disposez lorsque vous êtes prêt à installer les gestionnaires de périphériques.

Installation de la Carte CardBus USB 2.0 pour ThinkPad

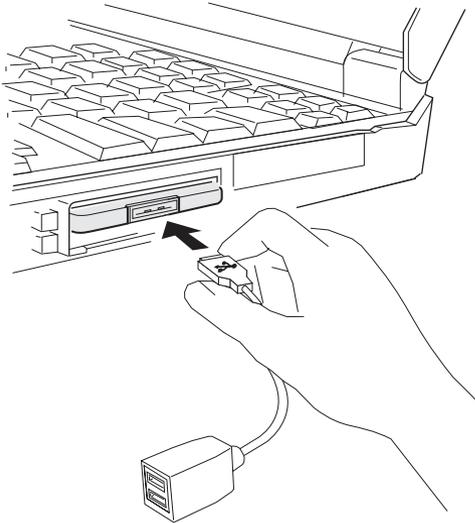
Pour installer la carte CardBus USB 2.0 pour ThinkPad, procédez comme suit.

1. Insérez la carte CardBus USB 2.0 pour ThinkPad dans l'emplacement de carte PC Card de votre ordinateur.



Le système d'exploitation détecte le nouveau matériel et lance automatiquement l'assistant d'installation du matériel.

2. Installez les gestionnaires de périphériques. Consultez les instructions relatives à votre système d'exploitation à la section «Installation des gestionnaires de périphériques» à la page 2-3.
3. Connectez le cordon d'interface à la carte CardBus USB 2.0 pour ThinkPad.



Avertissement : Le cordon d'interface est équipé de broches afin d'assurer un alignement correct sur le connecteur de la carte CardBus USB 2.0 pour ThinkPad et il devrait s'emboîter doucement sur le port. Ne forcez pas la connexion. Cela pourrait endommager la carte ou l'extrémité du cordon.

4. Connectez des unités USB ou Hi-Speed USB 2.0 standard aux ports USB à l'aide du cordon d'interface.

Remarque : Les procédures d'installation des unités USB varient. Consultez la documentation pour chaque unité USB.

Installation des gestionnaires de périphériques

La procédure d'installation des gestionnaires de périphériques pour la carte CardBus USB 2.0 pour ThinkPad varie en fonction du système d'exploitation installé sur votre ordinateur. Dans la section précédente, vous avez installé la carte CardBus USB 2.0 pour ThinkPad.

Pour installer les gestionnaires de périphériques, placez le CD d'installation dans l'unité de CD-ROM. Poursuivez en appliquant les instructions correspondant à votre système d'exploitation.

Windows 2000 Professional et Windows XP

Pour installer les gestionnaires de périphériques pour Windows 2000 Professional et Windows XP, procédez comme suit :

1. Cliquez sur **Rechercher un pilote approprié pour mon périphérique**.
2. Dans la fenêtre "Nouveau matériel détecté", cliquez sur **Suivant**.
3. Cliquez sur **CD-ROM**, puis sur **Suivant**.
4. Dans la fenêtre indiquant que l'assistant a trouvé un gestionnaire de périphériques, cliquez sur **Suivant**.
5. Dans la fenêtre de fin de détection de nouveau matériel par l'assistant, cliquez sur **Suivant**.

Une fois l'installation du gestionnaire de périphériques de la carte CardBus USB 2.0 pour ThinkPad terminée, des gestionnaires de périphériques supplémentaires pour la connexion USB sont installés.

Remarque : Sous Windows XP, les gestionnaires de périphériques USB sont pré-installés sur votre ordinateur. Sous Windows 2000 Professional, vous aurez peut-être à insérer vos CD ou disquettes de système d'exploitation afin d'installer des gestionnaires de périphériques USB supplémentaires.

6. Passez à la section «Vérification de l'installation» à la page 2-4.

Windows Me, Windows 98 et Windows 98 SE

Pour installer les gestionnaires de périphériques pour Windows Me, Windows 98 et Windows 98 SE, procédez comme suit :

1. Cliquez sur **Rechercher le meilleur pilote pour votre périphérique**.
2. Dans la fenêtre "Nouveau matériel détecté", cliquez sur **Suivant**.

Remarque : Vous aurez peut-être à insérer vos CD ou disquettes de système d'exploitation afin d'installer des gestionnaires de périphériques USB supplémentaires.

3. Cliquez sur **Le pilote mis à jour**, puis sur **Suivant**.
4. Dans la fenêtre suivante, cliquez sur **Suivant**. L'installation des gestionnaires de périphériques est terminée.
5. Cliquez sur **Terminer**.
6. Lorsque l'assistant Nouveau matériel détecté trouve une nouvelle unité, cliquez sur **Suivant**.
7. Cliquez sur **Rechercher le meilleur pilote pour votre périphérique**, puis sur **Suivant**.
8. Cliquez sur **Lecteur de CD-ROM**, puis sur **Suivant**.
9. Cliquez sur **Suivant**. L'installation des gestionnaires de périphériques est terminée.
10. Cliquez sur **Terminer**.

Vérification de l'installation

Assurez-vous que l'installation des gestionnaires de périphériques est terminée en visualisant les trois nouveaux périphériques correspondant à la carte CardBus USB 2.0 pour ThinkPad, dans la liste Gestionnaire de périphériques. Pour afficher cette liste, procédez comme suit :

1. A partir du bureau de votre ordinateur, cliquez sur **Démarrer** → **Paramètres** → **Panneau de configuration**.
2. Cliquez sur l'icône **Système**.
3. Pour Windows 98, Windows Me et Windows SE, cliquez sur l'onglet **Gestionnaire de périphériques** dans la partie supérieure de la fenêtre.
4. Pour Windows 2000 Professional et Windows XP, cliquez sur l'onglet **Matériel** dans la fenêtre "Propriétés Système". Cliquez sur le bouton **Gestionnaire de périphériques**.
5. Affichez la liste des **Contrôleurs de bus USB**. Trois nouveaux périphériques sont répertoriés :
 - Contrôleur hôte EZ USB 2.0
 - Contrôleur hôte NEC USB Open
 - Contrôleur hôte NEC USB Open
6. Fermez la fenêtre "Gestionnaire de périphériques" ou "Propriétés Système" lorsque vous avez terminé. Fermez la fenêtre "Panneau de configuration" pour revenir au bureau.

Si l'installation n'est pas terminée, répétez la procédure d'installation correspondant à votre système d'exploitation. Si des incidents se produisent au cours de l'installation de la carte CardBus USB 2.0 pour ThinkPad, reportez-vous à la section Annexe A, «Identification des incidents et conseils» à la page A-1.

Connexion d'unités USB

La carte CardBus USB 2.0 pour ThinkPad permet les connexions aux unités USB 2.0 Hi-Speed et elle est compatible avec les unités USB 1.0 et 1.1 plus anciennes.

La carte CardBus USB 2.0 pour ThinkPad utilise automatiquement la vitesse de transfert de données la plus rapide. Les unités USB 1.0 et 1.1 plus anciennes transmettent les données au débit USB d'origine, c'est-à-dire jusqu'à 12 Mo par seconde. Les unités Hi-Speed USB 2.0 ont un débit allant jusqu'à 480 Mo par seconde.

Deux unités USB, une de grande puissance et une autre à une puissance plus faible, peuvent être reliées simultanément au connecteur. Toutefois, les unités nécessitant plus de 500 mA (milliampères) ne fonctionneront pas avec la carte CardBus USB 2.0 pour ThinkPad.

Le tableau ci-après contient des exemples d'unités USB à utiliser avec chaque connecteur.

Haute puissance (500 mA)	Faible puissance (100 mA)
Unité de CD-RW USB	Souris USB
Unité de disquette USB	Clavier USB
Unités USB 2.0	Clé de mémoire USB

Cordon d'interface et sources d'alimentation USB

La carte CardBus USB 2.0 pour ThinkPad utilise l'alimentation de votre ordinateur. Aucun cordon d'interface supplémentaire n'est requis.

Le cordon d'interface fournit un connecteur USB haute puissance à 500 mA et un connecteur USB faible puissance à 100 mA. Chaque connecteur est clairement identifié sur les deux côtés du cordon d'interface.

- **High power (500 mA)** - Utilisez ce connecteur avec toute unité USB nécessitant une intensité électrique allant jusqu'à 500 mA.

Remarque : Consultez la documentation accompagnant votre unité USB haute puissance. Une unité qui nécessite plus de 500 mA ne fonctionnera pas avec la carte CardBus USB 2.0 pour ThinkPad.

- **Low power (100 mA)** - Utilisez ce connecteur pour les unités USB de faible puissance, par exemple, une souris ou un clavier. Vous pouvez aussi utiliser ce connecteur pour les unités équipées de leurs propres câbles, comme les moniteurs ou les scanners.

Concentrateurs USB

Bien que la carte CardBus USB 2.0 pour ThinkPad puisse alimenter deux unités USB, la puissance totale peut varier, en fonction de l'ordinateur et de la batterie. Il n'est donc pas recommandé d'utiliser la carte CardBus USB 2.0 pour ThinkPad avec des concentrateurs d'extension USB non alimentés.

La carte CardBus USB 2.0 pour ThinkPad peut être utilisée avec des concentrateurs équipés de leur propre cordon d'alimentation. Vous pouvez connecter jusqu'à 127 unités USB sur un concentrateur.

Retrait de la carte

Pour retirer la carte CardBus USB 2.0 pour ThinkPad, suivez les instructions correspondant à votre système d'exploitation.

Remarque : Avant de retirer la carte CardBus USB 2.0 pour ThinkPad, fermez toutes les applications que vous utilisez avec la carte. Mettez hors tension et retirez toutes les unités USB reliées à la carte.

Windows 2000 Professional et Windows XP

Pour retirer la carte CardBus USB 2.0 pour ThinkPad, cliquez sur l'icône **Déconnexion ou éjection de matériel** dans la barre des tâches Windows, sur le bureau de votre ordinateur, puis retirez la carte de l'ordinateur.

Windows Me, Windows 98 et Windows 98 SE

Pour retirer la carte CardBus USB 2.0 pour ThinkPad, procédez comme suit :

1. Cliquez sur **Démarrer** → **Paramètres** → **Panneau de configuration** → **Ajuster les propriétés pour la carte PC** pour arrêter toute communication avec la carte.
2. Cliquez sur l'icône **PC Card** située sur la barre des tâches Windows, sur votre bureau.
3. Retirez la carte de votre ordinateur.

Annexe A. Identification des incidents et conseils

La présente section contient des informations relatives à l'identification des incidents ainsi que des conseils sur la carte CardBus USB 2.0 pour ThinkPad.

Cette carte n'est pas automatiquement détectée par le système d'exploitation.

1. Ouvrez la fenêtre Assistant Ajout de nouveau matériel pour détecter la carte CardBus USB 2.0 pour ThinkPad en cliquant sur **Démarrer** → **Paramètres** → **Panneau de configuration**.
2. Cliquez deux fois sur **Ajout de nouveau matériel** ou sur **Ajout/Suppression de nouveau matériel**.

Si Windows ne détecte toujours pas la carte CardBus USB 2.0 pour ThinkPad, procédez comme suit :

1. Tentez de retirer tous les autres lecteurs ou unités externes.
2. Réinstallez la carte CardBus USB 2.0 pour ThinkPad.
3. Vérifiez que la carte CardBus USB 2.0 pour ThinkPad fonctionne en l'installant sur un autre ordinateur portable.
4. Vérifiez qu'il n'y a pas d'autre conflit de ressources dans le Gestionnaire de périphériques de Windows.

Une unité USB n'est pas détectée ou une notification de surtension électrique est envoyée.

Certaines unités USB non-alimentées requièrent plus de 100 milliampères (mA) pour fonctionner. Utilisez le connecteur 500 mA haute puissance. Si l'unité USB est équipée d'un adaptateur d'alimentation externe, assurez-vous que ce dernier est connecté à une source d'alimentation avant de connecter l'unité à la carte CardBus USB 2.0 pour ThinkPad.

Une unité USB est installée, mais son débit est celui d'une unité USB 1.1.

Vérifiez la procédure d'installation et assurez-vous que les trois gestionnaires de périphériques de la carte CardBus USB 2.0 pour ThinkPad sont correctement installés. Réinstallez l'unité USB. Vérifiez que les gestionnaires de périphériques corrects sont installés sur l'ordinateur pour l'unité USB et que cette dernière prend en charge les transferts de données haut débit (Hi-Speed).

Annexe B. Warranty

This section contains the warranty period for your product, information about obtaining warranty service and support, and the IBM Statement of Limited Warranty.

Warranty period

Contact your place of purchase for warranty service information. Some IBM Machines are eligible for on-site warranty service depending on the country or region where service is performed.

Machine - IBM ThinkPad USB 2.0 CardBus Adapter

Warranty period - One year

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 IBM Statement of Limited Warranty for a full explanation of IBM warranty terms.

Warranty information on the World Wide Web

The IBM Machine Warranties Web site at http://www.ibm.com/servers/support/machine_warranties/ contains a worldwide overview of the IBM Limited Warranty for IBM Machines, a glossary of terms used in the Statement of Limited Warranty, Frequently Asked Questions (FAQ), and links to Product Support Web pages. The IBM Statement of Limited Warranty is available from this Web site in 29 languages in Portable Document Format (PDF).

Online technical support

Online technical support is available during the life of your product. Online assistance can be obtained through the Personal Computing Support Web site and the IBM Automated Fax System.

Online technical support	
IBM Personal Computing Support Web site	http://www.ibm.com/pc/support/
IBM Automated Fax System	1-800-426-3395 (U.S. and Canada)

During the warranty period, assistance for replacement or exchange of defective components is available. In addition, if your IBM option is installed in an IBM 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 IBM HelpCenter will be withdrawn or made available for a fee, at IBM'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 (if IBM), 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 the support telephone number and support hours by country, refer to the following table. If the number for your country or region is not listed, contact your IBM reseller or IBM marketing representative. Response time may vary depending on the number and nature of the calls received.

Support 24 hours a day, 7 days a week	
Canada (Toronto only)	416-383-3344
Canada (all other)	1-800-565-3344
U.S.A. and Puerto Rico	1-800-772-2227
All other countries and regions	Go to http://www.ibm.com/pc/support/ , and click Support Phone List .

IBM Statement of Limited Warranty Z125-4753-06 8/2000

This warranty statement consists of two parts: Part 1 and Part 2. Be sure to read Part 1 and the country-unique terms in Part 2 that apply to your country or region.

Part 1 - General Terms

This Statement of Limited Warranty includes Part 1 - General Terms and Part 2 - Country-unique Terms. The terms of Part 2 replace or modify those of Part 1. The warranties provided by IBM in this Statement of Limited Warranty apply only to Machines you purchase for your use, and not for resale, from IBM or your reseller. The term «Machine» means an IBM machine, its features, conversions, upgrades, elements, or accessories, or any combination of them. The term «Machine» does not include any software programs, whether pre-loaded with the Machine, installed subsequently or otherwise. Unless IBM specifies otherwise, the following warranties apply only in the country where you acquire the Machine. Nothing in this Statement of Limited Warranty affects any statutory rights of consumers that cannot be waived or limited by contract. If you have any questions, contact IBM or your reseller.

The IBM Warranty for Machines

IBM warrants that each Machine 1) is free from defects in materials and workmanship and 2) conforms to IBM's Official Published Specifications («Specifications»). The warranty period for a Machine is a specified, fixed period commencing on its Date of Installation. The date on your sales receipt is the Date of Installation unless IBM or your reseller informs you otherwise.

If a Machine does not function as warranted during the warranty period, and IBM or your reseller are unable to either 1) make it do so or 2) replace it with one that is at least functionally equivalent, you may return it to your place of purchase and your money will be refunded.

Extent of Warranty

The warranty does not cover the repair or exchange of a Machine resulting from misuse, accident, modification, unsuitable physical or operating environment, improper maintenance by you, or failure caused by a product for which IBM is not responsible. The warranty is voided by removal or alteration of Machine or parts identification labels.

THESE WARRANTIES ARE YOUR EXCLUSIVE WARRANTIES AND REPLACE 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. THESE WARRANTIES GIVE YOU

SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF EXPRESS OR IMPLIED WARRANTIES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. IN THAT EVENT, SUCH WARRANTIES ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD.

Items Not Covered by Warranty

IBM does not warrant uninterrupted or error-free operation of a Machine.

Any technical or other support provided for a Machine under warranty, such as assistance via telephone with «how-to» questions and those regarding Machine set-up and installation, will be provided **WITHOUT WARRANTIES OF ANY KIND.**

Warranty Service

To obtain warranty service for a Machine, contact IBM or your reseller. If you do not register your Machine with IBM, you may be required to present proof of purchase.

During the warranty period, IBM or your reseller, if approved by IBM to provide warranty service, provides without charge certain types of repair and exchange service to keep Machines in, or restore them to, conformance with their Specifications. IBM or your reseller will inform you of the available types of service for a Machine based on its country of installation. At its discretion, IBM or your reseller will 1) either repair or exchange the failing Machine and 2) provide the service either at your location or a service center. IBM or your reseller will also manage and install selected engineering changes that apply to the Machine.

Some parts of IBM Machines are designated as Customer Replaceable Units (called «CRUs»), e.g., keyboards, memory, or hard disk drives. IBM ships CRUs to you for replacement by you. You must return all defective CRUs to IBM within 30 days of your receipt of the replacement CRU. You are responsible for downloading designated Machine Code and Licensed Internal Code updates from an IBM Internet Web site or from other electronic media, and following the instructions that IBM provides.

When warranty service involves the exchange of a Machine or part, the item IBM or your reseller replaces becomes its property and the replacement becomes yours. You represent that all removed items are genuine and unaltered. The replacement may not be new, but will be in good working order and at least functionally equivalent to the item replaced. The replacement

assumes the warranty service status of the replaced item. Many features, conversions, or upgrades involve the removal of parts and their return to IBM. A part that replaces a removed part will assume the warranty service status of the removed part.

Before IBM or your reseller exchanges a Machine or part, you agree to remove all features, parts, options, alterations, and attachments not under warranty service.

You also agree to

1. ensure that the Machine is free of any legal obligations or restrictions that prevent its exchange;
2. obtain authorization from the owner to have IBM or your reseller service a Machine that you do not own; and
3. where applicable, before service is provided:
 - a. follow the problem determination, problem analysis, and service request procedures that IBM or your reseller provides;
 - b. secure all programs, data, and funds contained in a Machine;
 - c. provide IBM or your reseller with sufficient, free, and safe access to your facilities to permit them to fulfill their obligations; and
 - d. inform IBM or your reseller of changes in a Machine's location.

IBM is responsible for loss of, or damage to, your Machine while it is 1) in IBM's possession or 2) in transit in those cases where IBM is responsible for the transportation charges.

Neither IBM nor your reseller is responsible for any of your confidential, proprietary or personal information contained in a Machine which you return to IBM or your reseller for any reason. You should remove all such information from the Machine prior to its return.

Limitation of Liability

Circumstances may arise where, because of a default on IBM's part or other liability, you are entitled to recover damages from IBM. In each such instance, regardless of the basis on which you are entitled to claim damages from IBM (including fundamental breach, negligence, misrepresentation, or other contract or tort claim), except for any liability that cannot be waived or limited by applicable laws, IBM is liable for no more than

1. damages for bodily injury (including death) and damage to real property and tangible personal property; and
2. the amount of any other actual direct damages, up to the charges (if recurring, 12 months' charges apply) for the Machine that is subject of the claim. For purposes of this item, the term «Machine» includes Machine Code and Licensed Internal Code.

This limit also applies to IBM's suppliers and your reseller. It is the maximum for which IBM, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS IBM LIABLE FOR ANY OF THE FOLLOWING: 1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES (OTHER THAN THOSE UNDER THE FIRST ITEM LISTED ABOVE); 2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR 3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES, LOST PROFITS OR LOST SAVINGS, EVEN IF IBM, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Governing Law

Both you and IBM consent to the application of the laws of the country in which you acquired the Machine to govern, interpret, and enforce all of your and IBM's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Agreement, without regard to conflict of law principles.

Part 2 - Country-unique Terms

AMERICAS

BRAZIL

Governing Law: *The following is added after the first sentence:*

Any litigation arising from this Agreement will be settled exclusively by the court of Rio de Janeiro.

NORTH AMERICA

Warranty Service: *The following is added to this Section:*

To obtain warranty service from IBM in Canada or the United States, call 1-800-IBM-SERV (426-7378).

CANADA

Governing Law: *The following replaces «laws of the country in which you acquired the Machine» in the first sentence:*
laws in the Province of Ontario.

UNITED STATES

Governing Law: *The following replaces «laws of the country in which you acquired the Machine» in the first sentence:*
laws of the State of New York.

ASIA PACIFIC

AUSTRALIA

The IBM Warranty for Machines: *The following paragraph is added to this Section:*
The warranties specified in this Section are in addition to any rights you may have under the Trade Practices Act 1974 or other similar legislation and are only limited to the extent permitted by the applicable legislation.

Limitation of Liability: *The following is added to this Section:*
Where IBM is in breach of a condition or warranty implied by the Trade Practices Act 1974 or other similar legislation, IBM's liability is limited to the repair or replacement of the goods or the supply of equivalent goods. Where that condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this paragraph apply.

Governing Law: *The following replaces «laws of the country in which you acquired the Machine» in the first sentence:*
laws of the State or Territory.

CAMBODIA, LAOS, AND VIETNAM

Governing Law: *The following replaces «laws of the country in which you acquired the Machine» in the first sentence:*
laws of the State of New York.

The following is added to this Section:

Disputes and differences arising out of or in connection with this Agreement shall be finally settled by arbitration which shall be held in Singapore in accordance with the rules of the International Chamber of Commerce (ICC). The arbitrator or arbitrators designated in conformity with those rules shall have the power to rule on their own competence and on the validity of the Agreement to submit to arbitration. The arbitration award shall be final and binding for the parties without appeal and the arbitral award shall be in writing and set forth the findings of fact and the conclusions of law.

All proceedings shall be conducted, including all documents presented in such proceedings, in the English language. The number of arbitrators shall be three, with each side to the dispute being entitled to appoint one arbitrator.

The two arbitrators appointed by the parties shall appoint a third arbitrator before proceeding upon the reference. The third arbitrator shall act as chairman of the proceedings. Vacancies in the post of chairman shall be filled by the president of the ICC. Other vacancies shall be filled by the respective nominating party. Proceedings shall continue from the stage they were at when the vacancy occurred.

If one of the parties refuses or otherwise fails to appoint an arbitrator within 30 days of the date the other party appoints its, the first appointed arbitrator shall be the sole arbitrator, provided that the arbitrator was validly and properly appointed.

The English language version of this Agreement prevails over any other language version.

HONG KONG AND MACAU

Governing Law: *The following replaces «laws of the country in which you acquired the Machine» in the first sentence:*
laws of Hong Kong Special Administrative Region.

INDIA

Limitation of Liability: *The following replaces items 1 and 2 of this Section:*

1. liability for bodily injury (including death) or damage to real property and tangible personal property will be limited to that caused by IBM's negligence;
2. as to any other actual damage arising in any situation involving nonperformance by IBM pursuant to, or in any way related to the subject of this Statement of Limited Warranty, IBM's liability will be limited to the charge paid by you for the individual Machine that is the subject of the claim.

JAPAN

Governing Law: *The following sentence is added to this Section:*
Any doubts concerning this Agreement will be initially resolved between us in good faith and in accordance with the principle of mutual trust.

NEW ZEALAND

The IBM Warranty for Machines: *The following paragraph is added to this Section:*
The warranties specified in this Section are in addition to any rights you may have under the Consumer Guarantees Act 1993 or other legislation which cannot be excluded or limited. The Consumer Guarantees Act 1993 will not apply in respect of any goods which IBM provides, if you require the goods for the purposes of a business as defined in that Act.

Limitation of Liability: *The following is added to this Section:*
Where Machines are not acquired for the purposes of a business as defined in the Consumer Guarantees Act 1993, the limitations in this Section are subject to the limitations in that Act.

PEOPLE'S REPUBLIC OF CHINA (PRC)

Governing Law: *The following replaces this Section:*
Both you and IBM consent to the application of the laws of the State of New York (except when local law requires otherwise) to govern, interpret, and enforce all your and IBM's rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Agreement, without regard to conflict of law principles.

Any disputes arising from or in connection with this Agreement will first be resolved by friendly negotiations, failing which either of us has the right to submit the dispute to the China International Economic and Trade Arbitration Commission in Beijing, the PRC, for arbitration in accordance with its arbitration rules in force at the time. The arbitration tribunal will consist of three arbitrators. The language to be used therein will be English and Chinese. An arbitral award will be final and binding on all the parties, and will be enforceable under the Convention on the Recognition and Enforcement of Foreign Arbitral Awards (1958).

The arbitration fee will be borne by the losing party unless otherwise determined by the arbitral award.

During the course of arbitration, this Agreement will continue to be performed except for the part which the parties are disputing and which is undergoing arbitration.

EUROPE, MIDDLE EAST, AFRICA (EMEA)

THE FOLLOWING TERMS APPLY TO ALL EMEA COUNTRIES:

The terms of this Statement of Limited Warranty apply to Machines purchased from IBM or an IBM reseller.

Warranty Service:

If you purchase an IBM Machine in Austria, Belgium, Denmark, Estonia, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland or United Kingdom, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM. If you purchase an IBM Personal Computer Machine in Albania, Armenia, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Georgia, Hungary, Kazakhstan, Kirghizia, Federal Republic of Yugoslavia, Former Yugoslav Republic of Macedonia (FYROM), Moldova, Poland, Romania, Russia, Slovak Republic, Slovenia, or Ukraine, you may obtain warranty service for that Machine in any of those countries from either (1) an IBM reseller approved to perform warranty service or (2) from IBM.

If you purchase an IBM Machine in a Middle Eastern or African country, you may obtain warranty service for that Machine from the IBM entity within the country of purchase, if that IBM entity provides warranty service in that country, or from an IBM reseller, approved by IBM to perform warranty service on that Machine in that country. Warranty service in Africa is available within 50 kilometers of an IBM authorized service provider. You are responsible for transportation costs for Machines located outside 50 kilometers of an IBM authorized service provider.

Governing Law:

The applicable laws that govern, interpret and enforce rights, duties, and obligations of each of us arising from, or relating in any manner to, the subject matter of this Statement, without regard to conflict of laws principles, as well as Country-unique terms and competent court for this Statement are those of the country in which the warranty service is being provided, except that in 1) Albania, Bosnia-Herzegovina, Bulgaria, Croatia, Hungary, Former Yugoslav Republic of Macedonia, Romania, Slovakia, Slovenia, Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan, the laws of Austria apply; 2) Estonia, Latvia, and Lithuania, the laws of Finland apply; 3) Algeria, Benin, Burkina Faso, Cameroon, Cape Verde, Central African Republic, Chad, Congo, Djibouti, Democratic Republic of Congo, Equatorial Guinea, France, Gabon, Gambia, Guinea, Guinea-Bissau, Ivory Coast, Lebanon, Mali, Mauritania, Morocco, Niger, Senegal, Togo, and Tunisia, this Agreement will be construed and the

legal relations between the parties will be determined in accordance with the French laws and all disputes arising out of this Agreement or related to its violation or execution, including summary proceedings, will be settled exclusively by the Commercial Court of Paris; 4) Angola, Bahrain, Botswana, Burundi, Egypt, Eritrea, Ethiopia, Ghana, Jordan, Kenya, Kuwait, Liberia, Malawi, Malta, Mozambique, Nigeria, Oman, Pakistan, Qatar, Rwanda, Sao Tome, Saudi Arabia, Sierra Leone, Somalia, Tanzania, Uganda, United Arab Emirates, United Kingdom, West Bank/Gaza, Yemen, Zambia, and Zimbabwe, this Agreement will be governed by English Law and disputes relating to it will be submitted to the exclusive jurisdiction of the English courts; and 5) in Greece, Israel, Italy, Portugal, and Spain any legal claim arising out of this Statement will be brought before, and finally settled by, the competent court of Athens, Tel Aviv, Milan, Lisbon, and Madrid, respectively.

THE FOLLOWING TERMS APPLY TO THE COUNTRY SPECIFIED:

AUSTRIA AND GERMANY

The IBM Warranty for Machines: *The following replaces the first sentence of the first paragraph of this Section:*

The warranty for an IBM Machine covers the functionality of the Machine for its normal use and the Machine's conformity to its Specifications.

The following paragraphs are added to this Section:

The minimum warranty period for Machines is six months. In case IBM or your reseller is unable to repair an IBM Machine, you can alternatively ask for a partial refund as far as justified by the reduced value of the unrepaired Machine or ask for a cancellation of the respective agreement for such Machine and get your money refunded.

Extent of Warranty: *The second paragraph does not apply.*

Warranty Service: *The following is added to this Section:*

During the warranty period, transportation for delivery of the failing Machine to IBM will be at IBM's expense.

Limitation of Liability: *The following paragraph is added to this Section:*

The limitations and exclusions specified in the Statement of Limited Warranty will not apply to damages caused by IBM with fraud or gross negligence and for express warranty.

The following sentence is added to the end of item 2:

IBM's liability under this item is limited to the violation of essential contractual terms in cases of ordinary negligence.

EGYPT

Limitation of Liability: *The following replaces item 2 in this Section:*

as to any other actual direct damages, IBM's liability will be limited to the total amount you paid for the Machine that is the subject of the claim. For purposes of this item, the term «Machine» includes Machine Code and Licensed Internal Code.

Applicability of suppliers and resellers (unchanged).

FRANCE

Limitation of Liability: *The following replaces the second sentence of the first paragraph of this Section:*

In such instances, regardless of the basis on which you are entitled to claim damages from IBM, IBM is liable for no more than: *(items 1 and 2 unchanged).*

IRELAND

Extent of Warranty: *The following is added to this Section:*

Except as expressly provided in these terms and conditions, all statutory conditions, including all warranties implied, but without prejudice to the generality of the foregoing all warranties implied by the Sale of Goods Act 1893 or the Sale of Goods and Supply of Services Act 1980 are hereby excluded.

Limitation of Liability: *The following replaces items one and two of the first paragraph of this Section:*

1. death or personal injury or physical damage to your real property solely caused by IBM's negligence; and
2. the amount of any other actual direct damages, up to 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim.

Applicability of suppliers and resellers (unchanged).

The following paragraph is added at the end of this Section:

IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default shall be limited to damages.

ITALY

Limitation of Liability: *The following replaces the second sentence in the first paragraph:*

In each such instance unless otherwise provided by mandatory law, IBM is liable for no more than:

1. *(unchanged)*

2. as to any other actual damage arising in all situations involving nonperformance by IBM pursuant to, or in any way related to the subject matter of this Statement of Warranty, IBM's liability, will be limited to the total amount you paid for the Machine that is the subject of the claim.

Applicability of suppliers and resellers (unchanged).

The following replaces the third paragraph of this Section:

Unless otherwise provided by mandatory law, IBM and your reseller are not liable for any of the following: *(items 1 and 2 unchanged)* 3) indirect damages, even if IBM or your reseller is informed of their possibility.

SOUTH AFRICA, NAMIBIA, BOTSWANA, LESOTHO AND SWAZILAND

Limitation of Liability: *The following is added to this Section:*

IBM's entire liability to you for actual damages arising in all situations involving nonperformance by IBM in respect of the subject matter of this Statement of Warranty will be limited to the charge paid by you for the individual Machine that is the subject of your claim from IBM.

UNITED KINGDOM

Limitation of Liability: *The following replaces items 1 and 2 of the first paragraph of this Section:*

1. death or personal injury or physical damage to your real property solely caused by IBM's negligence;
2. the amount of any other actual direct damages or loss, up to 125 percent of the charges (if recurring, the 12 months' charges apply) for the Machine that is the subject of the claim or which otherwise gives rise to the claim;

The following item is added to this paragraph:

3. breach of IBM's obligations implied by Section 12 of the Sale of Goods Act 1979 or Section 2 of the Supply of Goods and Services Act 1982.

Applicability of suppliers and resellers (unchanged).

The following is added to the end of this Section:

IBM's entire liability and your sole remedy, whether in contract or in tort, in respect of any default shall be limited to damages.

Annexe C. Notices

This publication was developed for products and services offered in the U.S.A.

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

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

Electronic emission notices

IBM E-Z USB 2.0 Card

Federal Communications Commission (FCC) statement

Note: 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 that 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:

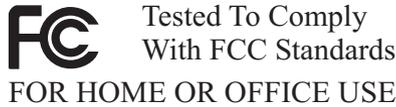
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM authorized dealers. IBM is not responsible for any radio or television interference caused by using other than recommended cables and 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:

International Business Machines Corporation
New Orchard Road
Armonk, NY 10504
Telephone: 1-919-543-2193



Industry Canada Class B emission compliance statement

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

Avis de conformité a la réglementation d'Industrie Canada

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

Deutsche EMV-Direktive (electromagnetische Verträglichkeit)

Zulassungsbeseinigunglaut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) vom 30. August 1995 (bzw. der EMC EG Richtlinie 89/336):

Dieses Gerät ist berechtigt in Übereinstimmungmit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen. Verantwortlich für die Konformitätserklärung nach Paragraph 5 des EMVG ist die:

IBM Deutschland Informationssysteme GmbH, 70548 Stuttgart.

Informationen in Hinsicht EMVG Paragraph 3 Abs. (2) 2:

Das Gerät erfüllt die Schutzanforderungen nach EN 50082-1 und EN 55022 Klasse B.
--

EN 50082-1 Hinweis:

«Wird dieses Gerät in einer industriellen Umgebung betrieben (wie in EN 50082-2 festgelegt), dann kann es dabei eventuell gestört werden. In solch einem FA11 ist der Abstand bzw. die Abschirmung zu der industriellen Stromquelle zu vergrößern.»

Anmerkung:

Um die Einhaltung des EMVG sicherzustellen sind die Geräte, wie in den IBM Handbüchern angegeben, zu installieren und zu betreiben.

European Union - emission 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.

IBM can not accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM 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.

Union Européenne - Directive Conformité électromagnétique

Ce produit est conforme aux exigences de protection de la Directive 89/336/EEC du Conseil de l'UE sur le rapprochement des lois des États membres en matière de compatibilité électromagnétique.

IBM ne peut accepter aucune responsabilité pour le manquement aux exigences de protection résultant d'une modification non recommandée du produit, y compris l'installation de cartes autres que les cartes IBM.

Ce produit a été testé et il satisfait les conditions de l'équipement informatique de Classe B en vertu de Standard européen EN 55022. Les conditions pour l'équipement de Classe B ont été définies en fonction d'un contexte résidentiel ordinaire afin de fournir une protection raisonnable contre l'interférence d'appareils de communication autorisés.

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 legislación de los Estados Miembros sobre compatibilidad electromagnética se refiere.

IBM 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 IBM.

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.

IBM 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 IBM.

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.

이 기기는 가정용으로 전자파 적합등록을 기기로서

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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



Référence : 31P6809

(1P) P/N: 31P6809

