Lenovo 4GB PC3-8500 1066 MHz DDR3 SODIMM notebook memory upgrades let you experience increased productivity and improved performance of your ThinkPad system

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At a glance

These new ThinkPad® memory offerings let you upgrade your system's standard memory capacity to improve overall system performance. Features and benefits include:

• Lower 1.5V power consumption, compared to older 1.8V DDR2 memory, extends battery life
• Improved system-level thermal management that further reduces power drain
• Test-proven 100% compatibility listed for supported ThinkPad systems
• Meets stringent ThinkPad reliability standards for memory products
• Lenovo® limited warranty
• Lenovo memory installed in a new Lenovo system automatically assumes system warranty

Overview

Help improve the overall performance of your ThinkPad system with 4 GB PC3-8500 1066 MHz DDR3 SODIMM memory.

Adding additional ThinkPad memory is a cost-effective way to help boost your system's performance and enhance its ability to run more programs simultaneously.

Key prerequisites

Refer to the Hardware requirements section for a list of supported systems.

Planned availability date

March 6, 2009

Availability of products with encryption algorithm in France is subject to French governmental approval.
Product positioning

For more information on Lenovo accessories, including compatibility information, visit

http://www.lenovo.com/accessoriesguide
http://www.lenovo.com/support/notebookmemorycompatibility

Additional information

All offers are subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time without notice. Lenovo is not responsible for photographic or typographic errors.

Lenovo makes no representation or warranty regarding third-party products or services.

Product number

<table>
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<th>Description</th>
<th>Part Number</th>
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<td>Lenovo 4GB PC3-8500 1066MHz DDR3 SODIMM Memory</td>
<td>51J0493</td>
<td>0884343-82678-3</td>
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Terms and conditions

This product is available from Lenovo under the terms and conditions for purchase.

Warranty and service

• The warranty period is: Three years
• HelpWare: Contact your Lenovo HelpWare® number, your place of purchase, or your local Lenovo office.

Announcement countries

All European, Middle Eastern, and African countries.

Supplemental information

Lenovo 4GB PC3-8500 1066MHz DDR3 SODIMM Memory (51J0493)

Technical information

Performance specifications

• 204-pin JEDEC/EIA standard SODIMM interface
• Gold-plated leads

Physical specifications

• Approximate height: 4 mm (0.15 in)
• Approximate depth: 32 mm (1.25 in)
• Approximate width: 68 mm (2.66 in)
• Approximate weight: 0.02 kg (0.05 lb)

Operating environment
• Temperature: 0° to 65°C (32° to 149°F)
• Relative humidity: 10% to 90%

**ENERGY STAR-Compliant**
No

**Hardware requirements**
This option is supported on the following systems:

<table>
<thead>
<tr>
<th>System</th>
<th>Machine Types</th>
<th>Models</th>
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</thead>
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<tr>
<td>ThinkPad W700</td>
<td>All</td>
<td>All</td>
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<td>ThinkPad W500</td>
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<tr>
<td>ThinkPad T400</td>
<td>All</td>
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</tr>
</tbody>
</table>

For more information on compatibility, visit

  [http://www.lenovo.com/support/notebookmemorycompatibility](http://www.lenovo.com/support/notebookmemorycompatibility)

**Planning information**

**Installation time**
Approximately 30 minutes

To install, follow the system's Hardware Maintenance Manual available through Lenovo Support at

  [http://www.lenovo.com/support](http://www.lenovo.com/support)

**Packaging**
One box (plain brown box -- not packaged for consumer)

**Shipment group**
• Memory module
• Warranty flyer

**Security, auditability, and control**
This product uses the security and auditability features of the system on which it is installed.

**Terms and conditions**

| Field-installable | Yes          |
| Customer setup    | Yes          |
| Warranty period*  | 3 years      |
| Service type      | CRU          |
| Maintenance agreement | No       |
| Optional upgrade  | No           |
| Licensed programs | No           |

All other terms and conditions are the same as those applicable to the Lenovo machine type in which the feature is installed.

* To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or call Lenovo.
Help and service information -- Features and options

During the warranty period, support for a warranty related issue can be obtained by accessing Lenovo's on-line services (requires internet access account, not included) or calling the Support Center, 8:00 a.m. until 6:00 p.m. Business hours, to answer any questions regarding your new Lenovo option. Response time will vary depending on the number and nature of calls received. If you need warranty service, return or exchange is available. In addition, if your Lenovo option is installed in a Lenovo computer, you may be entitled to service at your location. For general questions related to the use of your options, fee-based support is available. Your technical support representative can help you determine the best alternative.

Accessing Lenovo online services

http://www.lenovo.com/support

Placing the call to Lenovo

Outside the United States and Canada, contact your HelpWare number, your place of purchase, or your local sales office.

Prices

For all local charges, contact your sales representative.

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