

4GB Computer memory DDR3 for Lenovo ThinkPad E450 (20DC) SO DIMM

**phs** memory®**25,80 EUR**

plus VAT

30,70 EUR

incl. VAT

en stock

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Your benefits

- ✓ verified quality memory
- ✓ 5 years warranty
Warranty details see last page
- ✓ 100% compatible
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- ✓ fast delivery

PHS-memory® - computer memory with 100% quality

- many years of IT competence
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- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
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- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel

Memory Specification



Memory size	4GB
Memory technology	DDR3
ECC support	no
JEDEC Norm	PC3L-10600S
Type	SO DIMM
Number of pins	204 Pin DIMM
Memory data transfer rate	1333MHz @ CL9
Voltage	1,35 Volt
Speciality	-
Board dimensions	67,6 x 30 (LxB mm)
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	Yes
SKU	SP149381
EAN	4055069231755

Note: The module specified in this datasheet is one of several possible configurations available under this part number. Some details may differ from the specifications described here and the illustration, but have no negative influence on the functionality.

System Specifications

The memory is 100% compatible with this system:

System manufacturer	Lenovo
Device type	Laptop
Device family	ThinkPad
Device series	E450 Serie
Device name	ThinkPad E450 (20DC)
Standard memory	8GB
Maximum memory*	32GB
Number of memory sockets	2

Annotation	suitable for the following models: 20DC001C., 20DC001D., 20DC001E., 20DC001F., 20DC001G., 20DC001H., 20DC001J., 20DC001K., 20DC001L., 20DC001M., 20DC001N., 20DC001P., 20DC001Q., 20DC001R., 20DC001S., 20DC001T., 20DC001U., 20DC001V., 20DC001W., 20DC001X., 20DC001Y., 20DC0020., 20DC0021., 20DC0022., 20DC002W., 20DC002X., 20DC002Y., 20DC003FUS, 20DC003JUS, 20DC003KUS, 20DC003LUS, 20DC003MUS, 20DC003NUS, 20DC003PUS, 20DC003QUS, 20DC003RUS, 20DC003SUS, 20DC003TUS, 20DC003UUS, 20DC003VUS, 20DC003WUS, 20DC003XUS, 20DC003YUS, 20DC0040US, 20DC0041US, 20DC0042US, 20DC0043US, 20DC0044US, 20DC0045US, 20DC0046US, 20DC0047US, 20DC0048US, 20DC0049US, 20DC004CUS, 20DC004DUS, 20DC004EUS, 20DC004FUS, 20DC004GUS, 20DC004HUS, 20DC004JUS, 20DC004KUS, 20DC004LUS, 20DC004MUS, 20DC004NUS, 20DC004PUS, 20DC004QUS, 20DC004SUS, 20DC004TUS, 20DC004UUS, 20DC004VUS, 20DC004WUS, 20DC004XUS, 20DC004YUS, 20DC0050US, 20DC0051US, 20DC0060., 20DC0062., 20DC0063., 20DC0064., 20DC0065., 20DC0066., 20DC0067., 20DC0068., 20DC0069., 20DC006A., 20DC006Q., 20DC006R.,
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20DC006T., 20DC006U., 20DC006V.,
20DC0070., 20DC0073., 20DC0076.,
20DC0077., 20DC0078., 20DC0079.,
20DC007A., 20DC007B., 20DC007E.,
20DC007F., 20DC007H., 20DC007M.,
20DC007Q., 20DC007R., 20DC007S.,
20DC007U., 20DC007V.,
20DC007W., 20DC007Y., 20DC0081.,
20DC0083., 20DC0084., 20DC0085.,
20DC0086., 20DC0087., 20DC0089.,
20DC008D., 20DC008F., 20DC008G.,
20DC008H., 20DC008J., 20DC008K.,
20DC008N., 20DC008P., 20DC008Q.,
20DC008T., 20DC008V.,
20DC0099US, 20DC009A.,
20DC009B., 20DC009C., 20DC009D.,
20DC009E., 20DC009F., 20DC009G.,
20DC009H., 20DC009J., 20DC009K.,
20DC009L., 20DC009M., 20DC009N.,
20DC009P., 20DC009Q., 20DC009R.,
20DC009S., 20DC009T., 20DC009U.,
20DC00A9., 20DC00AA., 20DC00AB.,
20DC00AC., 20DC00AD., 20DC00AE.,
20DC00AF., 20DC00AG., 20DC00AH.,
20DC00AJ., 20DC00AK., 20DC00AL.,
20DC00AVUS, 20DC00AWUS,
20DC00AXUS, 20DC00AYUS,
20DC00B0U

* The specifications for the maximum memory upgrade may differ from those of the manufacturer Lenovo. Often the information given in the manual for the maximum memory upgrade is not up to date. New memory technologies, bios updates or newer software versions often allow the use of memory modules with a higher capacity than specified by the manufacturer with the same performance and stability.

Information on memory installation

- Turn off the system
- Remove the plug of the power supply unit (if connected)
- Remove the battery, according to the user manual of the system
- Always ground yourself before touching electronic components
- Protect the memory module from static voltages:
 - Do not touch the gold pins of the memory module
 - Only touch the sides of the memory module
 - Use a grounding strap and/or ESD glove if possible

General installation instructions are supplied by E-Mail.

Further memory options for Lenovo ThinkPad E450 (20DC)

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
4GB	SP149381	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	0B47380
8GB	SP149382	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	0B47381
16GB	SP149380	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	4X70J32868

PHS-memory® warranty

Every PHS-memory® is equipped with a 5-years-warranty of perfect operation. If the RAM module is defective or fails within 5 years of purchase when used properly, you will receive an appropriate RAM module free of charge. If a suitable memory module is no longer available, we will refund the purchase price.

For more information on warranty and service please visit <https://www.phs-memory.fr/-W5Y>



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All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at <https://www.phs-memory.fr>