

8GB Computer memory DDR3 for Lenovo IdeaPad G50-45 (80E3) (i3/i5/i7 5th Gen) SO DIMM



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Memory Specification



Memory size	8GB
Memory technology	DDR3
ECC support	no
JEDEC Norm	PC3L-12800S
DRAM Organization	512Mx8
Rank	2Rx8
Type	SO DIMM
Number of pins	204 Pin DIMM
Memory data transfer rate	1600MHz @ CL11
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	SP168290
EAN	4055069386783

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	IdeaPad
Device series	G50 Serie
Device name	IdeaPad G50-45 (80E3) (i3/i5/i7 5th Gen)
Standard memory	16GB
Maximum memory*	32GB / 16GB according to manufacturer
Number of memory sockets	2
Annotation	Attention: IdeaPad G50-45 models differ in their features: Models with Celeron N2830, Celeron N3530: 1 memory slot / max. 8GB Models with Celeron 3205U, Celeron 2957U, i3-4030U, i5-4210U, i7-4510U: 2 memory slots / max. 16 GB Models with i3-5005U, i3-5010U, i5-5200U, i7-5500U: 2 memory slots / max. 32GB

* 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 allocation

Which memory configuration is possible?

IdeaPad G50-45 Modelle unterscheiden sich in der Ausstattung.

Modelle with Celeron N2830 and Celeron N3530 CPU haben einen memory Slot and können auf max auf 8GB aufgerüstet werden. Die passenden 4GB and 8GB Memory finden Sie unter dem Artikel: IdeaPad G50-45 (80E3) (N2830/N3530)

Modelle with Celeron 3205U, Celeron 2957U, i3-4030U, i5-4210U and i7-4510U CPU haben zwei memory memory slots and können auf max. 16GB aufgerüstet werden. Die passenden 4GB and 8GB Memory finden Sie unter dem Artikel: IdeaPad G50-45 (80E3) (i3/i5/i7 4th Gen)

Modelle with i3-5005U, i3-5010U, i5-5200U and i7-5500U haben zwei memory memory slots and können auf max. 32GB aufgerüstet werden. Die passenden 4GB, 8GB and 16GB Memory finden Sie unter dem Artikel: IdeaPad G50-45 (80E3) (i3/i5/i7 5th Gen)

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 IdeaPad G50-45 (80E3) (i3/i5/i7 5th Gen)

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
4GB	SP243956	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	0B47380
8GB	SP168290	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	0B47381
16GB	SP168289	DDR3	SO DIMM	204 Pin DIMM	PHS-memory®	

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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