16GB Computer memory DDR4 for Lenovo ThinkPad P70 (20ES) (Xeon Prozessor) SO DIMM

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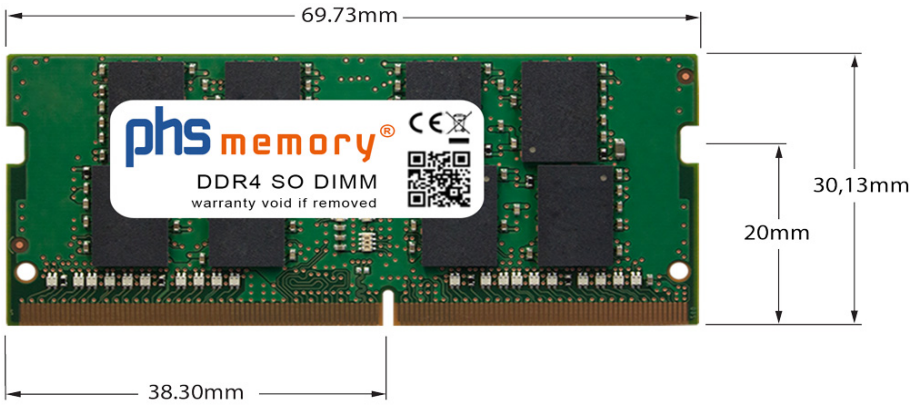
Memory Specification



Memory size	16GB
Memory technology	DDR4
ECC support	no
JEDEC Norm	PC4-19200S
Type	SO DIMM
Number of pins	260 Pin DIMM
Memory data transfer rate	2400MHz @ CL17
Voltage	1,2 Volt
Speciality	-
Board dimensions	69,73 x 30,13 (LxB mm)
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	Yes
SKU	SP272951
EAN	4055069994780

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.

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System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	Lenovo
Device type	Laptop
Device family	ThinkPad
Device series	P70 Serie
Device name	ThinkPad P70 (20ES) (Xeon Prozessor)
Standard memory	16GB (1x16GB)
Maximum memory*	128GB
Number of memory sockets	4
Annotation	Achtung: Alle ThinkPad P70 (20ES) Modelle, die einen Xeon Prozessor verbaut haben, unterstützen DDR4 SO-DIMM non-ECC and DDR4 SO-DIMM ECC. Eine Mischbestückung with DDR4 SO-DIMM ECC and DDR4 SO-DIMM non-ECC ist nicht möglich. Alle Geräte with einem i7 Prozessor, können nur with DDR4 SO-DIMM non-ECC aufgerüstet werden. suitable for the following models: 20ES0004.., 20ES0005.., 20ES0006.., 20ES0007.., 20ES0009US, 20ES001J.., etc.

* 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

Information on memory configuration

The following technical specifications should be considered in advance:

Im Gerät können non ECC or ECC (Error-Correction-Code) RAM-memory installiert werden. Memory with der Description ECC besitzen eine Fehlerkorrektur.

Non ECC memory modules können nicht zusammen with ECC memoryn gemischt betrieben werden.

If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC) is already existing in the system.

Information on memory installation

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- 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.

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Further memory options for Lenovo ThinkPad P70 (20ES) (Xeon Prozessor)

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
8GB	SP231761	DDR4	SO DIMM ECC	260 Pin DIMM	PHS-memory®	4X70J67437
8GB	SP272952	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	4X70J67435
16GB	SP231760	DDR4	SO DIMM ECC	260 Pin DIMM	PHS-memory®	4X70J67438
16GB	SP272951	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	4X70J67436
32GB	SP317056	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	
32GB	SP465875	DDR4	SO DIMM ECC	260 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.com/-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.com

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