# phs memory®

# 4GB Computer memory DDR4 for Lenovo ThinkPad E470 (20H1) SO DIMM



#### PHS-memory® - computer memory with 100% quality

- many years of IT competence
- Free support for optimal configuration and product selection
- High availability through professional warehouse management
- Fast delivery in throughout Europe
- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
- Incoming goods inspection include checks of the DRAMs, PCBs and the programmed SPDs in order to exclude possible errors (Controlled BOM).
- PHS-memory® brand memories guarantee 100% compatibility to the specified system.
- PHS-memory® memories can be used together with existing memories in the device depends on to the configuration rules of the system.
- The "fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel



## Memory Specification

← 69.73mm	
DR4 SO DIM DR4 SO DIM Warranty void if removed	30,13mm 20mm

Memory size	4GB
Memory technology	DDR4
ECC support	ΝΟ
JEDEC Norm	PC4-19200S
Туре	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	SP231648
EAN	4055069993714

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 sytem:

System manufacturer	Lenovo			
Device type	Laptop			
Device family	ThinkPad			
Device series	E470 Serie			
Device name	ThinkPad E470 (20H1)			
Standard memory	16GB			
Maximum memory*	64GB			
Number of memory sockets	2			
Annotation	suitable for the following models: 20H10001, 20H10026, 20H10028, 20H10029, 20H1002A, 20H1002G, 20H1002C, 20H1002D, 20H10037, 20H10038, 20H1003K, 20H10037, 20H10039US, 20H1003AUS, 20H1003B, 20H1003D, 20H1003US, 20H1003U, 20H1003V., 20H1003W, 20H1003X, 20H1004RUS, 20H1004Y, 20H1004V, 20H1004TUS, 20H1004V, 20H1004TUS, 20H1004Y, 20H10050, 20H1004X, 20H1005S, 20H10055US, 20H10056, 20H1005BUS, 20H10056, 20H1005BUS, 20H10065US, 20H10066US, 20H10067US, 20H10066US, 20H1006GUS, 20H1006C, 20H1006D, 20H1006GCA, 20H1006C, 20H1006D, 20H1006GUS, 20H1006F, 20H1006GUS, 20H1006H, 20H1006GUS, 20H1007F, 20H1007S, 20H1007F, 20H1007F, 20H1007S, 20H1007T, 20H1007B, 20H1007S, 20H1007T, 20H1007F, 20H1007S, 20H1007T, 20H1007F, 20H1007S, 20H1007T, 20H1007F, 20H1007Y, 20H1007T, 20H1007T, 20H1007Y, 20H1007T, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y, 20H1007Y, 20H1007X, 20H1007Y.			



\* 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.

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## Further memory options for Lenovo ThinkPad E470 (20H1)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP231648	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	4X70M60573
8GB	SP231649	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	4X70M60574
16GB	SP231647	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	4X70N24889
32GB	SP293951	DDR4	SO DIMM	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



# Contact Information

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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