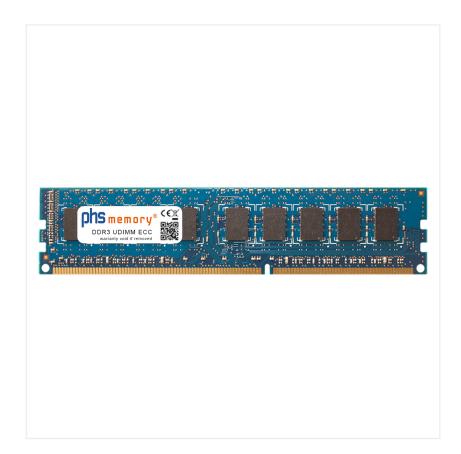


# 4GB Computer memory DDR3 for Asus Z8PE-D12 UDIMM ECC





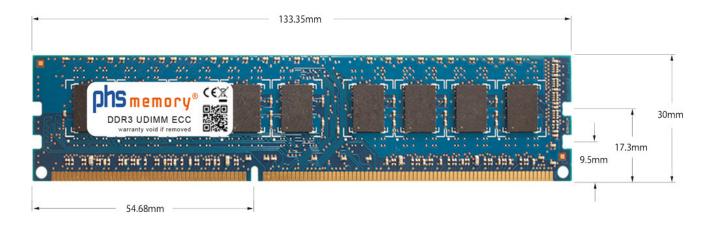
# Your benefits ✓ verified quality memory ✓ 5 years warranty warranty details see last page ✓ 100% compatible ✓ free support on our hotline ✓ fast delivery

# 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



Memory size	4GB			
Memory technology	DDR3			
ECC support	yes			
JEDEC Norm	PC3-10600E			
DRAM Organization	256Mx8			
Rank	2Rx8			
Туре	UDIMM ECC (ECC unbuffered)			
Number of pins	240 Pin DIMM			
Memory data transfer rate	1333MHz @ CL9			
Speciality	-			
Board dimensions	133,35 x 30 (LxB mm)			
Operating temperature	0° C - 85° C			
Storage temperature	-40° C - +95° C			
RoHS compliant	yes			
SKU	SP147529			
EAN	4055069221589			

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:

Asus		
Motherboard-memory		
Mainboard Z		
Z8 Serie		
Z8PE-D12		
384GB		
12		

<sup>\*</sup>The specifications for the maximum memory upgrade may differ from those of the manufacturer Asus. 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:

- The device supports ECC DIMM (with error correction code) or RDIMM (Registered DIMM) RAM memories. RDIMM memories are recommended when large memory capacities are to be achieved.
- The different memory technologies (ECC / RDIMM) may not be mixed.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (ECC/ RDIMM) is already installed in the system.
- A higher memory clock of the memory module automatically adapts to the memory clock specified by the system. This can be the case especially with larger capacities.
- Memory slots without a processor may not be used.

## 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 Asus Z8PE-D12

4GBSP147529DDR3UDIMM ECC (ECC unbuffered)240 Pin DIMMPHS-memory®8GBSP147536DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®8GBSP147530DDR3UDIMM ECC (ECC unbuffered)240 Pin DIMMPHS-memory®16GBSP147531DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®8GBSP147537DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®32GBSP147707DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®16GBSP147532DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®32GBSP147533DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®32GBSP147533DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)           8GB         SP147530         DDR3         UDIMM ECC (ECC unbuffered)         240 Pin DIMM         PHS-memory®           16GB         SP147531         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®           8GB         SP147537         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®           32GB         SP147707         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®           16GB         SP147532         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®           32GB         SP147533         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®	4GB	SP147529	DDR3	(ECC	240 Pin DIMM	PHS-memory®	
(ECC unbuffered)16GBSP147531DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®8GBSP147537DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®32GBSP147707DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®16GBSP147532DDR3RDIMM (ECC Registered)240 Pin DIMMPHS-memory®32GBSP147533DDR3RDIMM (ECC 240 Pin DIMMPHS-memory®	8GB	SP147536	DDR3	•	240 Pin DIMM	PHS-memory®	
Registered)  8GB SP147537 DDR3 RDIMM (ECC Registered)  32GB SP147707 DDR3 RDIMM (ECC Registered)  16GB SP147532 DDR3 RDIMM (ECC Registered)  PHS-memory®  RDIMM (ECC Registered)	8GB	SP147530	DDR3	(ECC	240 Pin DIMM	PHS-memory®	
Registered)  Registered)  Registered)  RDIMM (ECC Registered)  PHS-memory®  RDIMM (ECC 240 Pin DIMM PHS-memory®  RDIMM (ECC 240 Pin DIMM PHS-memory®  Registered)  RDIMM (ECC 240 Pin DIMM PHS-memory®  RDIMM (ECC 240 Pin DIMM PHS-memory®	16GB	SP147531	DDR3	•	240 Pin DIMM	PHS-memory®	
Registered)  16GB SP147532 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory® Registered)  32GB SP147533 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory®	8GB	SP147537	DDR3	•	240 Pin DIMM	PHS-memory®	
Registered)  32GB SP147533 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory®	32GB	SP147707	DDR3	•	240 Pin DIMM	PHS-memory®	
· · · · · · · · · · · · · · · · · · ·	16GB	SP147532	DDR3	•	240 Pin DIMM	PHS-memory®	
	32GB	SP147533	DDR3	•	240 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

PHS-electronic gmbh - www.phs-memory.com -Karl-Götz-Str. 5 97424 Schweinfurt Germany Phone: +49 9721 784678 E-Mail: info@phs-memory.com Web: www.phs-memory.com

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

#### Product Datasheet | SP147529 4GB Computer memory for Z8PE-D12

