phs memory®

32GB Computer memory DDR4 for Asus Z10PA-U8 UDIMM ECC



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

-	133.35mm	
DR4 UDIMM ECC Warranty vold if removed		31.25mm 30.75mm 17.60mm
56.10mm	64.60mm	

Memory size	32GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-2666V-E
DRAM Organization	2Gx8
Rank	2Rx8
Туре	UDIMM ECC (ECC unbuffered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2666MHz @ CL19
Voltage	1,2 Volt
Speciality	-
Board dimensions	133,35 x 31,25 (LxB mm)
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	yes
SKU	SP420016
EAN	4064578830250

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	Asus
Device type	Motherboard-memory
Device family	Mainboard Z
Device series	Z10PA Serie
Device name	Z10PA-U8
Maximum memory*	1TB / 512GB according to manufacturer
Number of memory sockets	8

* 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 system supports RDIMM and RDIMM 3DS (Registered DIMM) or LRDIMM and LRDIMM 3DS (Load Reduced DIMM) memory modules. Large memory capacities can be realised with LRDIMM 3DS modules.
- RDIMM and RDIMM 3DS memory modules cannot be operated together with LRDIMM and LRDIMM 3DS main memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which basic memory technology (RDIMM / LRDIMM) is available.
- Memory slots without a processor may not be used.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.

memory for Intel Xeon CPUs:

CPU / System	RDIMM	LRDIMM	
Xeon E5-16xx v3	8GB RDIMM	32GB LRDIMM	
Xeon E5-26xx v3	16GB RDIMM	64GB LRDIMM DDP	
Xeon E5-46xx v3	32GB RDIMM	128GB LRDIMM DDP	
	64GB RDIMM DDP	128GB LRDIMM 3DS	
	128GB RDIMM 3DS		

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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
- 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 Z10PA-U8

8GBSP225578DDR4UDIMM (Non- ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP225575DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP225576DDR4UDIMM (Non- ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP225573DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP225573DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP350371DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP225574DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP420016DDR4UDIMM ECC (ECC 	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)16GBSP225576DDR4UDIMM (Non- ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP225573DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP350371DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP225574DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP420016DDR4UDIMM ECC (ECC288 Pin DIMMPHS-memory®	8GB	SP225578	DDR4	ECC	288 Pin DIMM	PHS-memory®	
ECC unbuffered)16GBSP225573DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP350371DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP225574DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP420016DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®	8GB	SP225575	DDR4		288 Pin DIMM	PHS-memory®	
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(ECC	32GB	SP225574	DDR4	•	288 Pin DIMM	PHS-memory®	
undurrered)	32GB	SP420016	DDR4		288 Pin DIMM	PHS-memory®	
32GB SP305299 DDR4 UDIMM (Non- 288 Pin DIMM PHS-memory® ECC unbuffered)	32GB	SP305299	DDR4	ECC	288 Pin DIMM	PHS-memory®	
64GB SP225572 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM)	64GB	SP225572	DDR4		288 Pin DIMM	PHS-memory®	
64GB SP465755 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	64GB	SP465755	DDR4		288 Pin DIMM	PHS-memory®	
128GB SP465756 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	128GB	SP465756	DDR4		288 Pin DIMM	PHS-memory®	
128GB SP465753 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS	128GB	SP465753	DDR4	•	288 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.







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.es