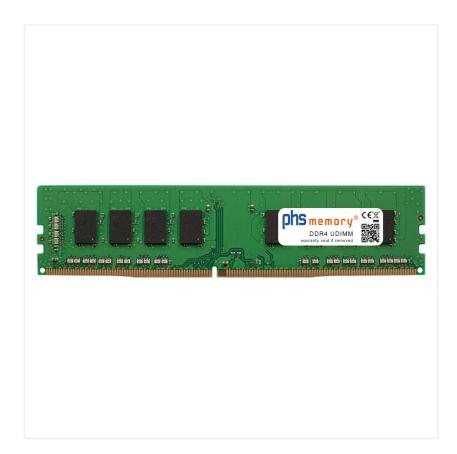


16GB Computer memory DDR4 for Asus X99-E-10G WS UDIMM





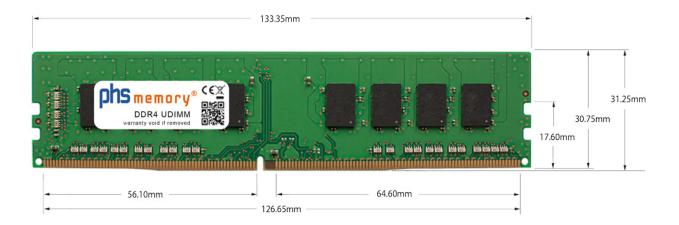
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- many years of IT competence
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- The "fallback option" in the SPD of PHS-memory® allows DRAMs with higher clock rates to be operated together with older memory modules with lower clock rates within the system.
- Products with unique serial number for service and warranty
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Memory Specification



Memory size	16GB
Memory technology	DDR4
ECC support	no
JEDEC Norm	PC4-19200U
Туре	UDIMM (Non-ECC unbuffered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2400MHz @ CL17
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	SP197493
EAN	4055069659825

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 X
Device series	X99 Serie
Device name	X99-E-10G WS
Maximum memory*	2TB / 256GB 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

Which memory configuration is possible?

memory for Core i7 5th Generation CPU:

- Optimal performance is achieved by 4 or 8 identical memories per CPU.
- If an i7 processor is used, UDIMM memory modules must be installed.

memory for Xeon CPU:

- When using an XEON CPU, ECC and RDIMM memory must be used.
- 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.

CPU im System	UDIMM	UDIMM ECC	RDIMM
Core i7	4GB UDIMM		
	8GB UDIMM		
	16GB UDIMM		
	32GB UDIMM		
Xeon E5		8GB UDIMM ECC	8GB RDIMM



		16GB RDIMM	
		32GB RDIMM	
		64GB RDIMM DDP	
		128GB RDIMM 3DS	
		256GB RDIMM 3DS	

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 X99-E-10G WS

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP197494	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP197495	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP197492	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
8GB	SP197487	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP197493	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP197490	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
32GB	SP305295	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP197491	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
64GB	SP465007	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
64GB	SP197489	DDR4	LRDIMM (ECC LR DIMM)	288 Pin DIMM	PHS-memory®	
128GB	SP465008	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
128GB	SP465005	DDR4	LRDIMM (ECC LR DIMM) 3DS	288 Pin DIMM	PHS-memory®	
256GB	SP465009	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
256GB	SP465006	DDR4	LRDIMM (ECC LR DIMM) 3DS	288 Pin DIMM	PHS-memory®	

PHS-memory® warranty

Product Datasheet | SP197493 16GB Computer memory for X99-E-10G WS



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