

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





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	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

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® 32GB SP197490 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP305295 DDR4 RDIMM (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) 288 Pin DIMM PHS-memory® 128GB SP465008 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 28GB SP465009 DDR4 LRDIMM (ECC Registered) 288 Pin DIMM <th>Size</th> <th>SKU</th> <th>Technology</th> <th>Туре</th> <th>Number of pins</th> <th>Brand</th> <th>Reference no.</th>	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
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Registered) 3DS 256GB SP465006 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP465005	DDR4		288 Pin DIMM	PHS-memory®	
· ·	256GB	SP465009	DDR4		288 Pin DIMM	PHS-memory®	
LR DIMM) 3DS	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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