

16GB Computer memory DDR4 for Gigabyte GAMING 7 GA-X99 WIFI (rev. 1.0) RDIMM





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	yes
JEDEC Norm	PC4-2133P-R
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2133MHz @ CL15
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	SP160783
EAN	4055069312928

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	Gigabyte
Device type	Motherboard-memory
Device family	GAMING
Device series	7 Serie
Device name	GAMING 7 GA-X99 WIFI (rev. 1.0)
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 Gigabyte. 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 i7-5960X	4GB UDIMM		
Core i7-5930K	8GB UDIMM		
Core i7-5820K	16GB UDIMM		
	32GB UDIMM		
Xeon E5-1600 v3		8GB UDIMM ECC	8GB RDIMM

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16GB Computer memory for GAMING 7 GA-X99 WIFI (rev. 1.0)



Xeon E5-2600 v3		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 Gigabyte GAMING 7 GA-X99 WIFI (rev. 1.0)

4GBSP159769DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP159770DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP159767DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®8GBSP159764DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP160783DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP159766DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP464196DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®128GBSP464197DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®256GBSP464198DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®256GBSP464198DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
ECC unbuffered) 8GB SP159767 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 8GB SP159764 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP160783 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP159766 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 64GB SP464196 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 128GB SP464197 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 256GB SP464198 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory®	4GB	SP159769	DDR4	ECC	288 Pin DIMM	PHS-memory®	
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Registered) 3DS 128GB SP464197 DDR4 RDIMM (ECC Registered) 3DS 256GB SP464198 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory®	32GB	SP159766	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS 256GB SP464198 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP464196	DDR4	•	288 Pin DIMM	PHS-memory®	
· ·	128GB	SP464197	DDR4	•	288 Pin DIMM	PHS-memory®	
	256GB	SP464198	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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Product Datasheet | SP160783 16GB Computer memory for GAMING 7 GA-X99 WIFI (rev. 1.0)



All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.fr