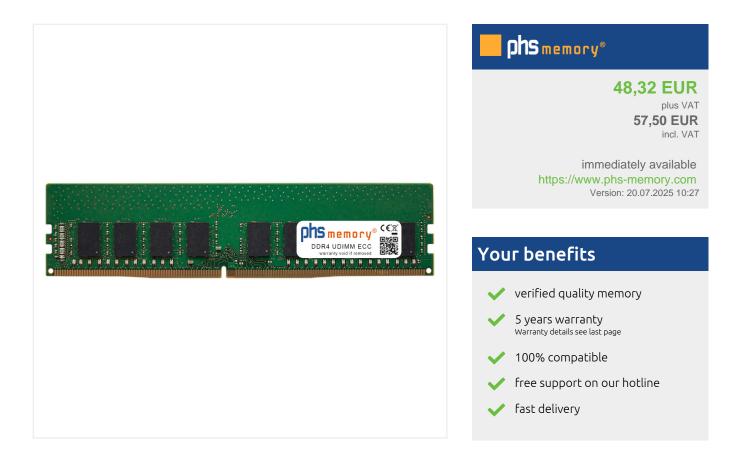
phs memory®

8GB Computer memory DDR4 for Gigabyte Ultra GAMING GA-Z270X (rev. 1.0) 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 void if removed	31.25mm 30.75mm 17.60mm
56.10mm	64.60mm

Memory size	8GB			
Memory technology	DDR4			
ECC support	yes			
JEDEC Norm	РС4-2133Р-Е			
Туре	UDIMM ECC (ECC unbuffered)			
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	SP232787			
EAN	4063369005952			

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	Ultra GAMING		
Device series	GA-Z270X Serie		
Device name	Ultra GAMING GA-Z270X (rev. 1.0)		
Maximum memory*	128GB		
Number of memory sockets	4		

* 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

What should be considered when upgrading RAM?

- Der schnelle Dual Channel Mode Betrieb wird bei der paarweisen Installation der memory optimal supports
- If you have a Core i5 or Core i7 processor, you can only use the UDIMM memory
- If you are using a Xeon processor, you can use ECC UDIMM memory or UDIMM memory without ECC
- Die ECC Funktion wird nur dann supports, wenn alle eingesetzten Computer memory UDIMM ECC memory sind.

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
 - Only couch 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 Ultra GAMING GA-Z270X (rev. 1.0)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP232789	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP232790	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP232787	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP232788	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP232786	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP420576	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP305796	DDR4	UDIMM (Non- ECC unbuffered)	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.

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