

# 32GB Computer memory DDR4 for Gigabyte GA-H110N (rev. 1.0) UDIMM







### 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	32GB	
Memory technology	DDR4	
ECC support	no	
JEDEC Norm	PC4-2400T-U	
DRAM Organization	2Gx8	
Rank	2Rx8	
Туре	UDIMM (Non-ECC unbuffered)	
Number of pins	288 Pin DIMM	
Memory data transfer rate	2400MHz @ CL17	
Voltage	1,2 Volt	
6 ' 1''		
Speciality	-	
Board dimensions	- 133,35 x 31,25 (LxB mm)	
	133,35 x 31,25 (LxB mm) 0° C - 85° C	
Board dimensions		
Board dimensions Operating temperature	0° C - 85° C	
Board dimensions  Operating temperature  Storage temperature	0° C - 85° C -40° C - +95° C	
Board dimensions Operating temperature Storage temperature RoHS compliant	0° C - 85° C -40° C - +95° C yes	

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	Mainboard GA-H	
Device series	GA-H11 Serie	
Device name	GA-H110N (rev. 1.0)	
Maximum memory*	64GB	
Number of memory sockets	2	
Device series  Device name  Maximum memory*	GA-H11 Serie GA-H110N (rev. 1.0) 64GB	

<sup>\*</sup> 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

#### Information on memory configuration

The following technical specifications should be considered in advance:

- A higher memory clock of the memory module automatically adapts to the memory clock specified by the system. This can be the case especially with larger capacities.
- Im Gerät können non ECC or ECC (Error-Correction-Code) RAM-memory installiert werden. Memory with der Description ECC besitzen eine Fehlerkorrektur.
- Non ECC memory modules cannot be used together with ECC memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC) is already existing in the system.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.

### 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 GA-H110N (rev. 1.0)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP213570	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP213571	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
8GB	SP213568	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP213569	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP213567	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP305711	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	
32GB	SP420393	DDR4	UDIMM ECC (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.





#### Contact Information

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#### Product Datasheet | SP305711 32GB Computer memory for GA-H110N (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.it