

## 128GB Computer memory DDR4 for Gigabyte R28N-F2O LRDIMM 3DS





# 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	128GB
Memory technology	DDR4
ECC support	yes
JEDEC Norm	PC4-23400-L
DRAM Organization	3DS 4H 8Gx4
Rank	8Rx4 (2S4Rx4)
Туре	LRDIMM (ECC LR DIMM) 3DS
Number of pins	288 Pin DIMM
Memory data transfer rate	2933MHz @ CL21
Voltage	1,2 Volt
Speciality	3DS
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	SP469431
EAN	4067488329562

### overRAMing - maximize your RAM



Most systems - including the Gigabyte R28N-F2O - can be upgraded with more memory than originally specified by the device manufacturer.

Therefore, our memory specialists continuously analyze new memory solutions in selected systems. Due to improved manufacturing technologies, new memories with higher performance and capacity will be tested for stability and functionality.

Then the new memory solutions are released for the respective systems. Use the benefits of larger computer memory capacity with the PHSmemory® overRAMing memory solutions.

https://www.phs-memory.es/-BOR

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	Server
Device family	Rack Server
Device series	R28N Serie
Device name	R28N-F2O
Maximum memory*	6TB / 1,5TB according to manufacturer
Number of memory sockets	24

<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.

Memory modules with our overRAMing-symbol are approved by us for maximum memory expansion.

#### Information on memory allocation

#### Information on memory configuration

The following technical specifications should be considered in advance:

- The system supports RDIMM and RDIMM 3DS (Registered DIMM) or LRDIMM and LRDIMM 3DS (Load Reduced DIMM) memory modules. Large memory capacities can be realised with LRDIMM 3DS modules.
- RDIMM and RDIMM 3DS memory modules cannot be operated together with LRDIMM and LRDIMM 3DS main memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which basic memory technology (RDIMM / LRDIMM) is available.
- Memory slots without a processor may not be used.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.

#### memory for Intel Xeon CPUs:

CPU / System	RDIMM	LRDIMM
Xeon E5-16xx v3	8GB RDIMM	32GB LRDIMM
Xeon E5-26xx v3	16GB RDIMM	64GB LRDIMM DDP
Xeon E5-46xx v3	32GB RDIMM	128GB LRDIMM DDP
	64GB RDIMM DDP	128GB LRDIMM 3DS
	128GB RDIMM 3DS	256GB LRDIMM 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 R28N-F2O

8GBSP364645DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP364643DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP364644DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP364642DDR4LRDIMM (ECC 288 Pin DIMMPHS-memory®	
Registered)  32GB SP364644 DDR4 RDIMM (ECC Registered)  64GB SP364642 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	
Registered)  64GB SP364642 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	
(	
LR DIMM)	
64GB SP469435 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	
128GB SP471804 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM)	
128GB SP469437 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	
128GB SP469431 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS	
256GB SP471793 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	
256GB SP469433 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory® LR DIMM) 3DS	

#### 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.es/-W5Y



#### Contact Information

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#### Product Datasheet | SP469431 128GB Computer memory for R28N-F2O



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