

128GB Computer memory DDR4 for HP ProLiant DL60 Gen9 (G9) RDIMM 3DS







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-R		
DRAM Organization	3DS 2H 8Gx4		
Rank	4Rx4 (2S2Rx4)		
Туре	RDIMM (ECC Registered) 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	SP463869		
EAN	4067488273865		

overRAMing - maximize your RAM



Most systems - including the HP ProLiant DL60 Gen9 (G9) - 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.

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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:

Device typeServerDevice familyProLiantDevice seriesDL60 SerieDevice nameProLiant DL60 Gen9 (G9)Maximum memory*2TB / 512GB according to manufacturerNumber of memory sockets8	System manufacturer	HP
Device series Device name ProLiant DL60 Gen9 (G9) Maximum memory* 2TB / 512GB according to manufacturer	Device type	Server
Device name ProLiant DL60 Gen9 (G9) Maximum memory* 2TB / 512GB according to manufacturer	Device family	ProLiant
Maximum memory* 2TB / 512GB according to manufacturer	Device series	DL60 Serie
manufacturer	Device name	ProLiant DL60 Gen9 (G9)
Number of memory sockets 8	Maximum memory*	
	Number of memory sockets	8

^{*} The specifications for the maximum memory upgrade may differ from those of the manufacturer HP. 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:

- 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		

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



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.

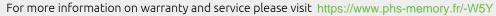


Further memory options for HP ProLiant DL60 Gen9 (G9)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
8GB	SP209493	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
16GB	SP154126	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
32GB	SP154127	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	728629-B21, 774175-001, 752370-091
64GB	SP463868	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
64GB	SP154125	DDR4	LRDIMM (ECC LR DIMM)	288 Pin DIMM	PHS-memory®	726724-B21, 774176-001, 752373-091
128GB	SP463869	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
128GB	SP463866	DDR4	LRDIMM (ECC LR DIMM) 3DS	288 Pin DIMM	PHS-memory®	
256GB	SP463870	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
256GB	SP463867	DDR4	LRDIMM (ECC LR DIMM) 3DS	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 | SP463869 128GB Computer memory for ProLiant DL60 Gen9 (G9)



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