

128GB Computer memory DDR4 for HP ProLiant XL190r Gen10 (G10) RDIMM 3DS

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- many years of IT competence
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- 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	SP470159
EAN	4067488336881

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	HP
Device type	Server
Device family	ProLiant
Device series	XL190 Serie
Device name	ProLiant XL190r Gen10 (G10)
Maximum memory*	4TB / 2TB according to manufacturer
Number of memory sockets	16

* 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.
- When using a multiprocessor system, the memory slots should always be configured identically for each CPU.
- 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.
- Die CPU supports 8 DIMMs pro memorykanal.

Maximum memory speed of possible CPUs

Xeon CPUs of the 2nd generation are offered in Bronze, Silver, Gold or Platinum. The different processor series also support different maximum memory speeds:

Xeon	CPU-series	max. Speed MHz	max. memory capacity je CPU	
Bronze	3200 21		1 TB	
Silver	4200		1 TB	
Gold	5200	2666	1 TB, 2 TB, 4,5 TB	
Gold	6200	2666	1 TB, 2 TB, 4,5 TB	
Platinum	8200	2933	1 TB, 2 TB, 4,5 TB	
Platinum	9200	2933	1,5 TB	



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 XL190r Gen10 (G10)

8GBSP472155DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory@16GBSP379645DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory@ Registered)PhSomemory@ P00320-821, P00187-001, P00351-091, 85088-001, 840757-09132GBSP379644DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory@ Registered)PhSomemory@ P00320-821, P00184-001, P00351-091, 840757-09132GBSP379644DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory@ Registered)P0092-821, P00184-001, P00302-821, P00184-001, P00302-091, 850881-001, 840758-09164GBSP379642DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory@ P0030-821, P00303-0A1, P00192-00164GBSP470159DDR4LRDIMM (ECC Registered)288 Pin DIMMPHS-memory@P0092-821 P0030-821, P00303-0A1, P00192-00164GBSP470159DDR4LRDIMM (ECC Registered)288 Pin DIMMPHS-memory@P0092-821 P0030-821, P00303-0A1, P00192-001128GBSP470157DDR4LRDIMM (ECC Registered)288 Pin DIMMPHS-memory@-cccccccccccccccccccccccccccccccccccc	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
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Registered) 3DS 256GB SP470158 DDR4 LRDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP470157	DDR4		288 Pin DIMM	PHS-memory®	
· · ·	256GB	SP472156	DDR4		288 Pin DIMM	PHS-memory®	
	256GB	SP470158	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.

For more information on warranty and service please visit https://www.phs-memory.fr/-W5Y



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Contact Information

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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