

32GB Computer memory DDR4 for HP ProLiant ML110 Gen9 (G9) RDIMM





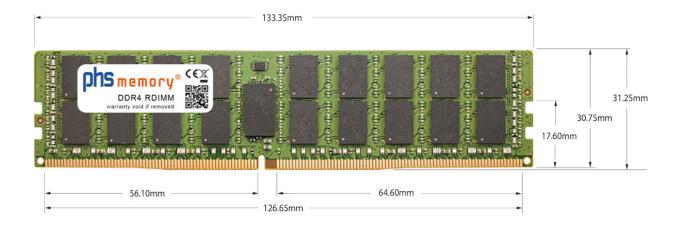


PHS-memory® - computer memory with 100% quality

- 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	ja
JEDEC Norm	PC4-19200R
DRAM Organization	2Gx4
Rank	2Rx4
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2400MHz @ CL17
Voltage	1,2 Volt
Speciality	-
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:

Device typeServerDevice familyProLiantDevice seriesML110 SerieDevice nameProLiant ML110 Gen9 (G9)Maximum memory*2TB / 256GB according to manufacturerNumber of memory sockets8	System manufacturer	HP
Device series ML110 Serie Device name ProLiant ML110 Gen9 (G9) Maximum memory* 2TB / 256GB according to manufacturer	Device type	Server
Device name ProLiant ML110 Gen9 (G9) Maximum memory* 2TB / 256GB according to manufacturer	Device family	ProLiant
Maximum memory* 2TB / 256GB according to manufacturer	Device series	ML110 Serie
manufacturer	Device name	ProLiant ML110 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.
- 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.

Computer memory for Systeme with XEON E5-2600 v4 CPU:

CPU im System	RDIMM	LRDIMM
Xeon E5-2600 v4 (1 Processor configuration)	until zu 12 x 16GB RDIMM	until zu 12 x 64GB LRDIMM
	until zu 12 x 32GB RDIMM	until zu 12 x 128GB LRDIMM
	until zu 12 x 64GB RDIMM	
Xeon E5-2600 v4 (2 Processor configuration)		
configuration)	until zu 24 x 16GB RDIMM	until zu 24 x 64GB LRDIMM
	until zu 24 x 32GB RDIMM	until zu 24 x 128GB LRDIMM

Product Datasheet | SP178903

32GB Computer memory for ProLiant ML110 Gen9 (G9)



	until zu 24 x 64GB RDIMM	
Xeon E5-2600 v4 (4 Processor configuration)		
	until zu 48 x 16GB RDIMM	until zu 48 x 64GB LRDIMM
	until zu 48 x 32GB RDIMM	until zu 48 x 128GB LRDIMM
	until zu 48 x 64GB RDIMM	

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 ML110 Gen9 (G9)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
8GB	SP178904	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	726718-B21, 752368-081, 803028-B21, 774170-001
8GB	SP259114	DDR4	UDIMM ECC (ECC unbuffered)	288 Pin DIMM	PHS-memory®	
16GB	SP178902	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
32GB	SP178903	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	728629-B21, 774175-001, 752370-091
64GB	SP464586	DDR4	RDIMM (ECC Registered)	288 Pin DIMM	PHS-memory®	
128GB	SP464587	DDR4	RDIMM (ECC Registered) 3DS	288 Pin DIMM	PHS-memory®	
256GB	SP464588	DDR4	RDIMM (ECC Registered) 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.

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



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.es