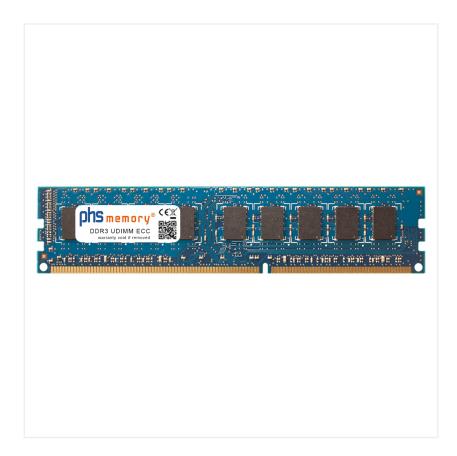


# 4GB Computer memory DDR3 for HP ProLiant DL320 Gen8 (G8) UDIMM ECC





# Your benefits ✓ 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	4GB		
Memory technology	DDR3		
ECC support	ja		
JEDEC Norm	PC3-10600E		
DRAM Organization	256Mx8		
Rank	2Rx8		
Туре	UDIMM ECC (ECC unbuffered)		
Number of pins	240 Pin DIMM		
Memory data transfer rate	1333MHz @ CL9		
Speciality	-		
Board dimensions	133,35 x 30 (LxB mm)		
Operating temperature	0° C - 85° C		
Storage temperature	-40° C - +95° C		
RoHS compliant	Yes		
SKU	SP171109		
EAN	4055069409406		

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	DL320 Serie		
Device name	ProLiant DL320 Gen8 (G8)		
Standard memory	8GB (2x4GB)		
Maximum memory*	32GB		
Number of memory sockets	4		
Annotation	For system performance, it is recommended to use the memory in pairs		

<sup>\*</sup>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

#### Computer memory ProLiant DL320 Gen8 (Generation 8) - mögliche Varianten

- Im System stehen 4 Computer memorysteckplätze zur Verfügung. Um eine gute Systemperformance zu erreichen, ist es empfehlenswert die Computer memory paarweise einzusetzen.
- Es können memory with 1,5V or memory with 1,35V voltage eingesetzt werden. Die 1,35V Computer memory werden oft als Low Voltage memory or auch DDR3L memory bezeichnet.
- The low voltage memories with 1.35V are clocked with 1.5V when mixed with 1.5V memories via the fallback option in the memory

## 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 DL320 Gen8 (G8)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP171109	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	669322-B21
8GB	SP171110	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	669324-B21

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