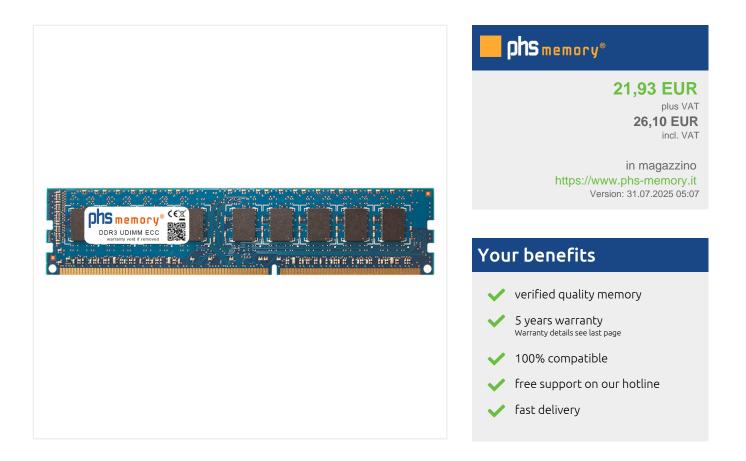
phs memory®

4GB Computer memory DDR3 for Apple Mac Pro Quad Core 3.2GHz (Mid 2010/Nehalem) UDIMM ECC



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

•	133.35mm►		
DR3 UDIMM ECC Warranty void if removed		9.5mm	30mm

DRAM Organization256Rank2R3TypeUDNumber of pins240Memory data transfer rate133Speciality-Board dimensions133	3-10600E 5Mx8
JEDEC NormPCDRAM Organization256Rank2R3TypeUDNumber of pins240Memory data transfer rate133Speciality-Board dimensions133	5Mx8 x8 IMM ECC (ECC unbuffered)
DRAM Organization256Rank2R3TypeUDNumber of pins240Memory data transfer rate133Speciality-Board dimensions133	5Mx8 x8 IMM ECC (ECC unbuffered)
Rank2RTypeUDNumber of pins240Memory data transfer rate133Speciality-Board dimensions133	x8 IMM ECC (ECC unbuffered)
TypeUDNumber of pins240Memory data transfer rate133Speciality-Board dimensions133	IMM ECC (ECC unbuffered)
Number of pins240Memory data transfer rate133Speciality-Board dimensions133	
Memory data transfer rate133Speciality-Board dimensions133) Pin DIMM
Speciality - Board dimensions 133	
Board dimensions 133	33MHz @ CL9
	3,35 x 30 (LxB mm)
Operating temperature 0° 0	C - 85° C
Storage temperature -40	° C - +95° C
RoHS compliant Yes	5
SKU SP ⁻	125213
EAN 401	
Storage temperature-40RoHS compliantYes	° C - +95° C

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	Apple
Device type	Workstation
Device family	MacPro
Device series	MacPro5,1 - Mid 2010
Device name	Mac Pro Quad Core 3.2GHz (Mid 2010/Nehalem)
Standard memory	3GB (3x1GB)
Maximum memory*	32GB
Number of memory sockets	4

* The specifications for the maximum memory upgrade may differ from those of the manufacturer Apple. 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 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 Apple Mac Pro Quad Core 3.2GHz (Mid 2010/Nehalem)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP125213	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
8GB	SP125214	DDR3	UDIMM ECC (ECC unbuffered)	240 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.it/-W5Y



Contact Information

PHS-electronic gmbh - www.phs-memory.it -Karl-Götz-Str. 5 97424 Schweinfurt Germania Phone: +49 9721 784678 E-Mail: info@phs-memory.it Web: www.phs-memory.it

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