

4GB Computer memory DDR3 for ASRock 960GC-GS FX UDIMM



21,34 EUR

plus VAT

25,40 EUR

incl. VAT

immediately available

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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	no
JEDEC Norm	PC3L-12800U
Type	UDIMM (Non-ECC unbuffered)
Number of pins	240 Pin DIMM
Memory data transfer rate	1600MHz @ CL11
Voltage	1,35 Volt
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	SP160715
EAN	4055069320787

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 system:

System manufacturer	ASRock
Device type	Motherboard-memory
Device family	Mainboard 9...
Device series	960 Serie
Device name	960GC-GS FX
Maximum memory*	16GB
Number of memory sockets	2
Annotation	Please make sure that you can use only DDR2 RAM or DDR3 based RAM. A mix of DDR2 and DDR3 memory is not possible.

* The specifications for the maximum memory upgrade may differ from those of the manufacturer ASRock. 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

CPU	mögliche DDR2 memory	mögliche DDR3 memory
Athlon X2 (AM2+ socket) Athlon 64 X2 (AM2 socket) Phenom X3 (AM2 socket) Phenom II X3 (AM2 socket) Phenom X4 (AM2 socket) Sempron Dual Core (AM2 socket) Sempron (AM2 socket)	SP192664 2GB DDR2 SP192665 4GB DDR2	---
Athlon II (AM3 socket) Athlon II X2 (AM3 socket) Athlon II X3 (AM3 socket) Athlon II X4 (AM3 socket) Phenom II X2 (AM3 socket) Phenom II X3 (AM3 socket) Phenom II X4 (AM3 socket) Phenom II X6 (AM3 socket) Sempron X2 (AM3 socket) Sempron (AM3 socket)	SP192664 2GB DDR2 SP192665 4GB DDR2	SP160715 4GB DDR3 SP160716 8GB DDR3

Opteron (AM3+ socket) FX (AM3+ socket)	SP160715 4GB DDR3 SP160716 8GB DDR3
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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 ASRock 960GC-GS FX

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
2GB	SP192664	DDR2	UDIMM (Non-ECC unbuffered)	240 Pin DIMM	PHS-memory®	
4GB	SP160715	DDR3	UDIMM (Non-ECC unbuffered)	240 Pin DIMM	PHS-memory®	
4GB	SP192665	DDR2	UDIMM (Non-ECC unbuffered)	240 Pin DIMM	PHS-memory®	
8GB	SP160716	DDR3	UDIMM (Non-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.com/-W5Y>



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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>