

## 8GB Computer memory DDR3 for ASRock 960GC-GS FX UDIMM



**phs** memory®

**25,21 EUR**

plus VAT

**30,00 EUR**

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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
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- Short response times and professional order processing due to full digitalization throughout the entire process with complete traceability
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- Products with unique serial number for service and warranty
- Pre-sales and after-sales support by technically trained personnel

## Memory Specification



|                           |                            |
|---------------------------|----------------------------|
| Memory size               | 8GB                        |
| Memory technology         | DDR3                       |
| ECC support               | no                         |
| JEDEC Norm                | PC3L-12800U                |
| DRAM Organization         | 512Mx8                     |
| Rank                      | 2Rx8                       |
| 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                       | SP160716                   |
| EAN                       | 4055069320794              |

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:

|                                 |                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>System manufacturer</b>      | ASRock                                                                                                            |
| <b>Device type</b>              | Motherboard-memory                                                                                                |
| <b>Device family</b>            | Mainboard 9...                                                                                                    |
| <b>Device series</b>            | 960 Serie                                                                                                         |
| <b>Device name</b>              | 960GC-GS FX                                                                                                       |
| <b>Maximum memory*</b>          | 16GB                                                                                                              |
| <b>Number of memory sockets</b> | 2                                                                                                                 |
| <b>Annotation</b>               | 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)<br>Athlon 64 X2 (AM2 socket)<br>Phenom X3 (AM2 socket)<br>Phenom II X3 (AM2 socket)<br>Phenom X4 (AM2 socket)<br>Sempron Dual Core (AM2 socket)<br>Sempron (AM2 socket)                                                                                              | SP192664 2GB DDR2<br>SP192665 4GB DDR2 | ---                                    |
| Athlon II (AM3 socket)<br>Athlon II X2 (AM3 socket)<br>Athlon II X3 (AM3 socket)<br>Athlon II X4 (AM3 socket)<br><br>Phenom II X2 (AM3 socket)<br>Phenom II X3 (AM3 socket)<br>Phenom II X4 (AM3 socket)<br>Phenom II X6 (AM3 socket)<br><br>Sempron X2 (AM3 socket)<br>Sempron (AM3 socket) | SP192664 2GB DDR2<br>SP192665 4GB DDR2 | SP160715 4GB DDR3<br>SP160716 8GB DDR3 |
|                                                                                                                                                                                                                                                                                              | ---                                    |                                        |

|                                           |                                        |
|-------------------------------------------|----------------------------------------|
| Opteron (AM3+ socket)<br>FX (AM3+ socket) | SP160715 4GB DDR3<br>SP160716 8GB DDR3 |
|-------------------------------------------|----------------------------------------|

## 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.fr/-W5Y>



## Contact Information

PHS-electronic gmbh  
- [www.phs-memory.fr](http://www.phs-memory.fr) -  
Karl-Götz-Str. 5  
97424 Schweinfurt  
Allemagne

Phone: +49 9721 784678  
E-Mail: [info@phs-memory.fr](mailto:info@phs-memory.fr)  
Web: [www.phs-memory.fr](http://www.phs-memory.fr)

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>