

## 48GB Computer memory DDR5 for Kontron Mini-ITX K3836-Q/R SO DIMM

**phs** memory®**458,40 EUR**

plus VAT

**545,50 EUR**

incl. VAT

immediately available

<https://www.phs-memory.com>

Version: 26.04.2026 10:28

### 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



<b>Memory size</b>	48GB
<b>Memory technology</b>	DDR5
<b>ECC support</b>	no
<b>JEDEC Norm</b>	PC5-44800S
<b>Type</b>	SO DIMM
<b>Number of pins</b>	262 Pin SO DIMM
<b>Memory data transfer rate</b>	5600MHz
<b>Voltage</b>	1,1 Volt
<b>Speciality</b>	-
<b>Operating temperature</b>	0° C - 85° C
<b>Storage temperature</b>	-40° C - +95° C
<b>RoHS compliant</b>	Yes
<b>SKU</b>	SP597147
<b>EAN</b>	4069169707720

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>	Kontron
<b>Device type</b>	Motherboard-memory
<b>Device family</b>	Mini-ITX Motherboard
<b>Device series</b>	K3830 Serie
<b>Device name</b>	Mini-ITX K3836-Q/R
<b>Maximum memory*</b>	96GB
<b>Number of memory sockets</b>	2

\* The specifications for the maximum memory upgrade may differ from those of the manufacturer Kontron. 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:

- Im Gerät können non ECC or ECC (Error-Correction-Code) RAM-memory installiert werden. Memory with der Description ECC besitzen eine Fehlerkorrektur.
- Non ECC memory modules cannot be used together with ECC memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC) is already existing in the system.
- Um die 24GB & 48GB memory modules nutzen zu können, benötigen Sie zwingend die korrekte Intel-Revision.
- Unsere memoryexperten supportsen Sie gerne bei der Auswahl des korrekten computer memory modules. Bitte nehmen vor der order eines 24GB or 48GB computer memory modules with uns Contact Information auf.
- ECC supported by K3836-R with R680E only.

## 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 Kontron Mini-ITX K3836-Q/R

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
8GB	SP597143	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	
16GB	SP597148	DDR5	SO DIMM ECC	262 Pin SO DIMM	PHS-memory®	
16GB	SP597144	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	
24GB	SP597145	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	
32GB	SP597149	DDR5	SO DIMM ECC	262 Pin SO DIMM	PHS-memory®	
32GB	SP597146	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	
48GB	SP597147	DDR5	SO DIMM	262 Pin SO 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>



## Contact Information

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

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

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>