

# 32GB Computer memory DDR3 for Asus RAMPAGE IV BLACK EDITION RDIMM





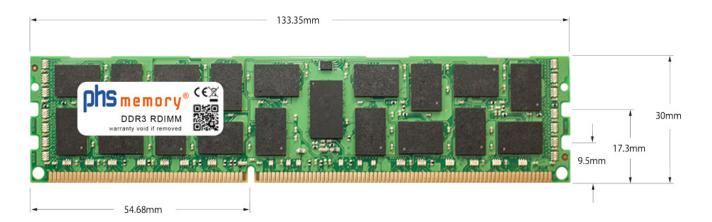
# Your benefits ✓ verified quality memory ✓ 5 years warranty Warranty details see last page ✓ 100% compatible ✓ free support on our hotline ✓ fast delivery

# 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	32GB			
Memory technology	DDR3			
ECC support	yes			
JEDEC Norm	PC3L-12800R			
DRAM Organization	2Gx4			
Rank	4Rx4 (4DRx4 DDP)			
Туре	RDIMM (ECC Registered)			
Number of pins	240 Pin DIMM			
Memory data transfer rate	1600MHz @ CL11			
Voltage	1,35 Volt			
Speciality	DDP			
Board dimensions	133,35 x 30 (LxB mm)			
Operating temperature	0° C - 85° C			
Storage temperature	-40° C - +95° C			
RoHS compliant	yes			
SKU	SP225769			
EAN	4055069936636			

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	Asus		
Device type	Motherboard-memory		
Device family	Rampage IV		
Device series	Black Edition Serie		
Device name	RAMPAGE IV BLACK EDITION		
Maximum memory*	256GB		
Number of memory sockets	8		

<sup>\*</sup>The specifications for the maximum memory upgrade may differ from those of the manufacturer Asus. 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

## Which memory configuration is possible?

Our memory team will be happy to help you choose the right memory and configure your server.

Technologie	RAM in maximaler capacity		
UDIMM ECC	64GB RAM 8 x 8GB ECC UDIMM		
RDIMM 2Rank	128GB RAM 8 x 16GB RDIMM		
RDIMM 4Rank	256GB RAM 8 x 32GB RDIMM		
LRDIMM	512GB RAM 8 x 64GB LRDIMM		

ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. Bei einer Aufrüstung sollten Sie deshalb wissen, welche memory bereits vorhanden sind, or komplett auf RDIMMcomputer memory upgrade.

#### Principles of memory assembly

- Each CPU has 4 memory channels with 3 memory slots each
- ECC DIMM, Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed
- memorysteckplätze for die kein Prozessor vorhanden ist dürfen nicht bestückt werden

#### Memory configuration for good system performance

- Verteilen Sie die memory gleichmäßig auf die memorysteckplätze and gleichmäßig auf die CPUs
- Wenn mehr als eine CPU vorhanden sind, sollten die memory pro CPU identisch (gespiegelt zur anderen CPU) bestückt werden.

# Information on memory installation

Turn off the system

# Product Datasheet | SP225769 32GB Computer memory for RAMPAGE IV BLACK EDITION



- 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 Asus RAMPAGE IV BLACK EDITION

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP225764	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
8GB	SP225771	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
8GB	SP225765	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	
16GB	SP225768	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
32GB	SP225769	DDR3	RDIMM (ECC Registered)	240 Pin DIMM	PHS-memory®	
32GB	SP225767	DDR3	LRDIMM (ECC LR DIMM)	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



## 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