

## 32GB Computer memory DDR4 for MSI Creator P65 8RD-094ES SO DIMM





# 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 technologyDDR4ECC supportnoJEDEC NormPC4-2666V-SDRAM Organization2Gx8Rank2Rx8TypeSO DIMMNumber of pins260 Pin DIMMMemory data transfer rate2666MHz @ CL19Voltage1,2 VoltSpeciality-Board dimensions69,73 x 30,13 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantyesSKUSP413314	Memory size	32GB
JEDEC Norm  PC4-2666V-S  DRAM Organization  Rank  2Rx8  Type  SO DIMM  Number of pins  260 Pin DIMM  Memory data transfer rate  2666MHz @ CL19  Voltage  1,2 Volt  Speciality  -  Board dimensions  69,73 x 30,13 (LxB mm)  Operating temperature  0° C - 85° C  Storage temperature  -40° C - +95° C  RoHS compliant  yes	Memory technology	DDR4
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Operating temperature  0° C - 85° C  Storage temperature  -40° C - +95° C  RoHS compliant  yes	Speciality	-
Storage temperature -40° C - +95° C  RoHS compliant yes	Board dimensions	69,73 x 30,13 (LxB mm)
RoHS compliant yes	Operating temperature	0° C - 85° C
	Storage temperature	-40° C - +95° C
<b>SKU</b> SP413314	RoHS compliant	yes
	SKU	SP413314
<b>EAN</b> 4064578763480	EAN	4064578763480

### overRAMing - maximize your RAM



Most systems - including the MSI Creator P65 8RD-094ES - can be upgraded with more memory than originally specified by the device manufacturer.

Therefore, our memory specialists continuously analyze new memory solutions in selected systems. Due to improved manufacturing technologies, new memories with higher performance and capacity will be tested for stability and functionality.

Then the new memory solutions are released for the respective systems. Use the benefits of larger computer memory capacity with the PHSmemory® overRAMing memory solutions.

https://www.phs-memory.com/-BOR

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	MSI
Device type	Laptop
Device family	Creator
Device series	P65 Serie
Device name	Creator P65 8RD-094ES
Standard memory	16GB (2x8GB)
Maximum memory*	64GB / 32GB according to manufacturer
Number of memory sockets	2

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

Memory modules with our overRAMing-symbol are approved by us for maximum memory expansion.

#### 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 MSI Creator P65 8RD-094ES

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
16GB	SP413313	DDR4	SO DIMM	260 Pin DIMM	PHS-memory®	
32GB	SP413314	DDR4	SO DIMM	260 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.





#### 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