

# 256GB Computer memory DDR5 for Asus RS720A-E12-RS24U (K14PP-D24) RDIMM 3DS







### 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               | 256GB                      |  |  |
|---------------------------|----------------------------|--|--|
| Memory technology         | DDR5                       |  |  |
| ECC support               | yes                        |  |  |
| JEDEC Norm                | PC5-38400-R                |  |  |
| DRAM Organization         | 3DS 4H 16Gx4               |  |  |
| Rank                      | 8Rx4 (2S4Rx4)              |  |  |
| Туре                      | RDIMM (ECC Registered) 3DS |  |  |
| Number of pins            | 288 Pin DIMM               |  |  |
| Memory data transfer rate | 4800MHz                    |  |  |
| Voltage                   | 1,1 Volt                   |  |  |
| Speciality                | 3DS                        |  |  |
| Operating temperature     | 0° C - 85° C               |  |  |
| Storage temperature       | -40° C - +95° C            |  |  |
| RoHS compliant            | yes                        |  |  |
| SKU                       | SP488288                   |  |  |
| EAN                       | 4067488521188              |  |  |
|                           |                            |  |  |

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                  | Server                           |  |  |
| Device family                | Server R                         |  |  |
| Device series                | RS720 Serie                      |  |  |
| Device name                  | RS720A-E12-RS24U (K14PP-D24)     |  |  |
| Maximum memory*              | 6TB                              |  |  |
| Number of memory sockets     | 24                               |  |  |
| Device name  Maximum memory* | RS720A-E12-RS24U (K14PP-D24) 6TB |  |  |

<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

#### Information on memory configuration

The following technical specifications should be considered in advance:

- Memory slots without a processor may not be used.
- A higher memory clock of the memory module automatically adapts to the memory clock specified by the system. This can be the case especially with larger capacities.
- Memories with different DRAM structures (x4, x8) must not be mixed.

#### 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 Asus RS720A-E12-RS24U (K14PP-D24)

| 16GB         SP488279         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           24GB         SP488280         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP488282         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP488281         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           48GB         SP488283         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488285         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory® | Size  | SKU      | Technology | Туре | Number of pins | Brand       | Reference no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|------------|------|----------------|-------------|---------------|
| Registered)           32GB         SP488282         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP488281         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           48GB         SP488283         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488285         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                    | 16GB  | SP488279 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           32GB         SP488281         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           48GB         SP488283         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488285         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                                                                                                                                         | 24GB  | SP488280 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           48GB         SP488283         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488285         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                                                                                                                                                                                                                                                              | 32GB  | SP488282 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           64GB         SP488285         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 32GB  | SP488281 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           64GB         SP488284         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48GB  | SP488283 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           96GB         SP488286         DDR5         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           128GB         SP488287         DDR5         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM         PHS-memory®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 64GB  | SP488285 | DDR5       | ,    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           128GB         SP488287         DDR5         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP488288         DDR5         RDIMM (ECC 288 Pin DIMM PHS-memory®)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 64GB  | SP488284 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered) 3DS  256GB SP488288 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 96GB  | SP488286 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
| · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 128GB | SP488287 | DDR5       | •    | 288 Pin DIMM   | PHS-memory® |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 256GB | SP488288 | DDR5       | •    | 288 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.it/-W5Y



#### Contact Information

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#### Product Datasheet | SP488288 256GB Computer memory for RS720A-E12-RS24U (K14PP-D24)



All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.it