

# 8GB Computer memory DDR4 for ASRock Rack C3758D4U-2TP RDIMM







#### 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               | 8GB                     |  |  |
|---------------------------|-------------------------|--|--|
| Memory technology         | DDR4                    |  |  |
| ECC support               | yes                     |  |  |
| JEDEC Norm                | PC4-2400T-R             |  |  |
| Туре                      | RDIMM (ECC Registered)  |  |  |
| Number of pins            | 288 Pin DIMM            |  |  |
| Memory data transfer rate | 2400MHz @ CL17          |  |  |
| Voltage                   | 1,2 Volt                |  |  |
| Speciality                | -                       |  |  |
| Board dimensions          | 133,35 x 31,25 (LxB mm) |  |  |
| Operating temperature     | 0° C - 85° C            |  |  |
| Storage temperature       | -40° C - +95° C         |  |  |
| RoHS compliant            | yes                     |  |  |
| SKU                       | SP511509                |  |  |
| EAN                       | 4067488755880           |  |  |
|                           |                         |  |  |

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      | ASRock                                 |  |  |
|--------------------------|--|--|--|
| Device type              | Motherboard-memory                     |  |  |
| Device family            | Rack                                   |  |  |
| Device series            | C3758 Serie                            |  |  |
| Device name              | Rack C3758D4U-2TP                      |  |  |
| Maximum memory*          | 256GB / 64GB according to manufacturer |  |  |
| Number of memory sockets | 4                                      |  |  |

<sup>\*</sup> 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

#### Information on memory configuration

The following technical specifications should be considered in advance:

- The device supports non ECC UDIMM (without error correction code), ECC DIMM (with error correction code) or RDIMM (Registered DIMM) RAM memories. RDIMM memories are recommended when large memory capacities are to be achieved.
- he different memory technologies (non ECC UDIMM / ECC UDIMM / RDIMM) must not be mixed during operation.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC/ RDIMM) is already installed in the system.

#### 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 Rack C3758D4U-2TP

| 4GBSP511512DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP511513DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®8GBSP511509DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®8GBSP511506DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP511514DDR4UDIMM (Non-ECC unbuffered)288 Pin DIMMPHS-memory®16GBSP511510DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®16GBSP511507DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®32GBSP511511DDR4RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP511508DDR4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®4UDIMM ECC (ECC unbuffered)288 Pin DIMMPHS-memory®   | Size | SKU      | Technology | Туре | Number of pins | Brand       | Reference no. |
|---|------|----------|------------|------|----------------|-------------|---------------|
| ECC unbuffered)           8GB         SP511509         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           8GB         SP511506         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP511514         DDR4         UDIMM (Non-ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP511510         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP511507         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           32GB         SP511511         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP511508         DDR4         UDIMM ECC (ECC Unbuffered)         288 Pin DIMM         PHS-memory®  | 4GB  | SP511512 | DDR4       | ECC  | 288 Pin DIMM   | PHS-memory® |               |
| Registered)           8GB         SP511506         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP511514         DDR4         UDIMM (Non-ECC unbuffered)         288 Pin DIMM         PHS-memory®           16GB         SP511510         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP511507         DDR4         UDIMM ECC (ECC unbuffered)         288 Pin DIMM         PHS-memory®           32GB         SP511511         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP511508         DDR4         UDIMM ECC (ECC (ECC (ECC (ECC (ECC (ECC (EC  | 8GB  | SP511513 | DDR4       | ECC  | 288 Pin DIMM   | PHS-memory® |               |
| (ECC unbuffered)  16GB SP511514 DDR4 UDIMM (Non-ECC unbuffered)  16GB SP511510 DDR4 RDIMM (ECC Registered)  16GB SP511507 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP511511 DDR4 RDIMM (ECC Registered)  32GB SP511508 DDR4 UDIMM ECC (ECC unbuffered)  288 Pin DIMM PHS-memory® | 8GB  | SP511509 | DDR4       | •    | 288 Pin DIMM   | PHS-memory® |               |
| ECC unbuffered)  16GB SP511510 DDR4 RDIMM (ECC Registered)  16GB SP511507 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP511511 DDR4 RDIMM (ECC Registered)  32GB SP511508 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP511508 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory® (ECC Registered)  32GB SP511508 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory® (ECC ECC ECC ECC ECC ECC ECC ECC ECC EC  | 8GB  | SP511506 | DDR4       | (ECC | 288 Pin DIMM   | PHS-memory® |               |
| Registered)  16GB SP511507 DDR4 UDIMM ECC (ECC unbuffered)  32GB SP511511 DDR4 RDIMM (ECC Registered)  32GB SP511508 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory® PHS-memory® (ECC Registered)  | 16GB | SP511514 | DDR4       | ECC  | 288 Pin DIMM   | PHS-memory® |               |
| (ECC unbuffered)  32GB SP511511 DDR4 RDIMM (ECC Registered)  32GB SP511508 DDR4 UDIMM ECC (ECC (ECC)  | 16GB | SP511510 | DDR4       | •    | 288 Pin DIMM   | PHS-memory® |               |
| Registered)  32GB SP511508 DDR4 UDIMM ECC 288 Pin DIMM PHS-memory® (ECC   | 16GB | SP511507 | DDR4       | (ECC | 288 Pin DIMM   | PHS-memory® |               |
| (ECC  | 32GB | SP511511 | DDR4       |      | 288 Pin DIMM   | PHS-memory® |               |
|   | 32GB | SP511508 | DDR4       | (ECC | 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.es/-W5Y



#### Contact Information

#### Product Datasheet | SP511509 8GB Computer memory for Rack C3758D4U-2TP



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