

# 16GB Computer memory DDR4 for Supermicro X10SDV series UDIMM ECC





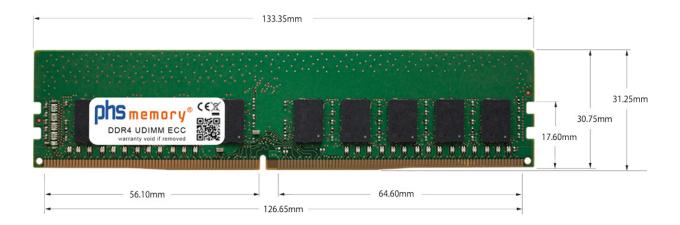
# Your benefits ✓ verified quality memory ✓ 5 years warranty Warranty details see last page ✓ 100% compatible ✓ free support on our hotline ✓ fast delivery

#### 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               | 16GB                       |  |  |
|---------------------------|----------------------------|--|--|
| Memory technology         | DDR4                       |  |  |
| ECC support               | yes                        |  |  |
| JEDEC Norm                | PC4-2133P-E                |  |  |
| DRAM Organization         | 1Gx8                       |  |  |
| Rank                      | 2Rx8                       |  |  |
| Туре                      | UDIMM ECC (ECC unbuffered) |  |  |
| Number of pins            | 288 Pin DIMM               |  |  |
| Memory data transfer rate | 2133MHz @ CL15             |  |  |
| 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                        |  |  |
| RoHS compliant SKU        | yes<br>SP235371            |  |  |
|                           |                            |  |  |

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      | Supermicro   |  |  |
|--------------------------|--|--|--|
| Device type              | Server-Mainboard  Mainboard X  X10 Serie  X10SDV Serie  128GB  |  |  |
| Device family            |  |  |  |
| Device series            |  |  |  |
| Device name              |  |  |  |
| Maximum memory*          |  |  |  |
| Number of memory sockets | 4  |  |  |
| Annotation               | You can use either ECC UDIMM or RDIMM memories. These two different technologies can not be operated together in the system. |  |  |

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

- Sie können entweder UDIMM, ECC UDIMM or RDIMM memory verwenden
- UDIMM, UDIMM ECC memory and RDIMM (Registered) server memory can not be shared.
- Die memorybestückung ist for diese Modelle der X10SDV series identisch möglich:
- X10SDV-TP8F
  - X10SDV-TP4F
  - X10SDV-2C-7TP4F
  - X10SDV-4C-7TP4F
  - X10SDV-2C-TP4F
  - X10SDV-4C+-TP4F
  - X10SDV-2C-TP8F
  - X10SDV-TP8F
  - X10SDV-F
  - X10SDV-TLN4F
  - X10SDV-8C-TLN4F
  - X10SDV-8C-TLN4F+
- X10SDV-8C+-LN2F
- X10SDV-4C-TLN2F
- X10SDV-2C-TLN2F X10SDV-4C-TLN4F
- X10SDV-4C+-TLN4F
- X10SDV-6C-TLN4F
- X10SDV-6C+-TLN4F
- X10SDV-12C-TLN4F
- X10SDV-12C-TLN4F+

#### Product Datasheet | SP235371

16GB Computer memory for X10SDV Serie



X10SDV-16C-TLN4F X10SDV-16C-TLN4F+ X10SDV-16C+-TLN4F

| • | memory for X10SDV | RAM max.                   |  |
|---|-------------------|----------------------------|--|
|   | UDIMM             | 64GB (4 x 16GB UDIMM)      |  |
|   | ECC UDIMM         | 64GB (4 x 16GB ECC UDIMM)  |  |
|   | ECC RDIMM         | 128GB (4 x 32GB ECC RDIMM) |  |

## 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 Supermicro X10SDV Serie

| Size | SKU      | Technology | Туре                              | Number of pins | Brand       | Reference no. |
|------|----------|------------|-----------------------------------|----------------|-------------|---------------|
| 8GB  | SP235377 | DDR4       | UDIMM (Non-<br>ECC<br>unbuffered) | 288 Pin DIMM   | PHS-memory® |               |
| 8GB  | SP235375 | DDR4       | RDIMM (ECC<br>Registered)         | 288 Pin DIMM   | PHS-memory® |               |
| 8GB  | SP235372 | DDR4       | UDIMM ECC<br>(ECC<br>unbuffered)  | 288 Pin DIMM   | PHS-memory® |               |
| 16GB | SP235376 | DDR4       | UDIMM (Non-<br>ECC<br>unbuffered) | 288 Pin DIMM   | PHS-memory® |               |
| 16GB | SP235373 | DDR4       | RDIMM (ECC<br>Registered)         | 288 Pin DIMM   | PHS-memory® |               |
| 16GB | SP235371 | DDR4       | UDIMM ECC<br>(ECC<br>unbuffered)  | 288 Pin DIMM   | PHS-memory® |               |
| 32GB | SP466042 | DDR4       | UDIMM ECC<br>(ECC<br>unbuffered)  | 288 Pin DIMM   | PHS-memory® |               |
| 32GB | SP308188 | DDR4       | UDIMM (Non-<br>ECC<br>unbuffered) | 288 Pin DIMM   | PHS-memory® |               |
| 32GB | SP235374 | DDR4       | RDIMM (ECC<br>Registered)         | 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 | SP235371 16GB Computer memory for X10SDV Serie



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