

8GB Computer memory DDR4 for Supermicro X10SDV-TP8F UDIMM ECC







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	PC4-2133P-E		
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		
SKU	SP523986		
EAN	4067488881695		

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		
Device family	Mainboard X		
Device series	X10 Serie		
Device name	X10SDV-TP8F		
Maximum memory*	128GB		
Number of memory sockets	4		

^{*} 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

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.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.

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-TP8F

8GB SP523992 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 8GB SP523989 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 8GB SP523986 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP523993 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP523990 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 16GB SP523987 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523994 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523991 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP523988 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered) 8GB SP523986 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP523993 DDR4 UDIMM (Non- ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP523990 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 16GB SP523987 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523994 DDR4 UDIMM (Non- ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523991 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP523988 DDR4 UDIMM ECC (ECC Unbuffered) 288 Pin DIMM PHS-memory®	8GB	SP523992	DDR4	ECC	288 Pin DIMM	PHS-memory®	
(ECC unbuffered) 16GB SP523993 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 16GB SP523990 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 16GB SP523987 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523994 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523991 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP523988 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory®	8GB	SP523989	DDR4		288 Pin DIMM	PHS-memory®	
ECC unbuffered) 16GB SP523990 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 16GB SP523987 DDR4 UDIMM ECC (ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523994 DDR4 UDIMM (Non-ECC unbuffered) 288 Pin DIMM PHS-memory® 32GB SP523991 DDR4 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP523988 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory®	8GB	SP523986	DDR4	(ECC	288 Pin DIMM	PHS-memory®	
Registered) 16GB SP523987 DDR4 UDIMM ECC (ECC unbuffered) 32GB SP523994 DDR4 UDIMM (Non- ECC unbuffered) 32GB SP523991 DDR4 RDIMM (ECC Registered) 32GB SP523988 DDR4 UDIMM ECC (ECC unbuffered) 32GB SP523988 DDR4 UDIMM ECC (ECC ECC ECC ECC ECC ECC ECC ECC EC	16GB	SP523993	DDR4	ECC	288 Pin DIMM	PHS-memory®	
(ECC unbuffered) 32GB SP523994 DDR4 UDIMM (Non- ECC unbuffered) 32GB SP523991 DDR4 RDIMM (ECC Registered) 32GB SP523988 DDR4 UDIMM ECC (ECC ECC Unbuffered) 32GB SP523988 DDR4 UDIMM ECC (ECC ECC ECC ECC ECC ECC ECC ECC EC	16GB	SP523990	DDR4	•	288 Pin DIMM	PHS-memory®	
ECC unbuffered) 32GB SP523991 DDR4 RDIMM (ECC Registered) 32GB SP523988 DDR4 UDIMM ECC (ECC 288 Pin DIMM PHS-memory®	16GB	SP523987	DDR4	(ECC	288 Pin DIMM	PHS-memory®	
Registered) 32GB SP523988 DDR4 UDIMM ECC 288 Pin DIMM PHS-memory® (ECC	32GB	SP523994	DDR4	ECC	288 Pin DIMM	PHS-memory®	
(ECC	32GB	SP523991	DDR4	•	288 Pin DIMM	PHS-memory®	
	32GB	SP523988	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.fr/-W5Y



Contact Information

Product Datasheet | SP523986 8GB Computer memory for X10SDV-TP8F



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