

64GB Computer memory DDR5 for Asus ESC8000A-E12P 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	64GB
Memory technology	DDR5
ECC support	ja
JEDEC Norm	PC5-38400R
DRAM Organization	4Gx4
Rank	2Rx4
Туре	RDIMM (ECC Registered)
Number of pins	288 Pin DIMM
Memory data transfer rate	4800MHz
Voltage	1,1 Volt
Speciality	-
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	Yes
SKU	SP488145
EAN	4067488519758

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 E
Device series	ESC8000 Serie
Device name	ESC8000A-E12P
Maximum memory*	6TB
Number of memory sockets	24

^{*} 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:

- The system supports RDIMM and RDIMM 3DS (Registered DIMM) or LRDIMM and LRDIMM 3DS (Load Reduced DIMM) memory modules. Large memory capacities can be realised with LRDIMM 3DS modules.
- RDIMM and RDIMM 3DS memory modules cannot be operated together with LRDIMM and LRDIMM 3DS main memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which basic memory technology (RDIMM / LRDIMM) is available.
- Memory slots without a processor may not be used.

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 ESC8000A-E12P

16GBSP488139DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®24GBSP488140DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP488142DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®32GBSP488141DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®48GBSP488143DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®64GBSP488145DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®96GBSP488146DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®128GBSP488147DDR5RDIMM (ECC Registered)288 Pin DIMMPHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered) 32GB SP488142 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 32GB SP488141 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 48GB SP488143 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 64GB SP488145 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 96GB SP488146 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 128GB SP488147 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®	16GB	SP488139	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 32GB SP488141 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 48GB SP488143 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 64GB SP488145 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 96GB SP488146 DDR5 RDIMM (ECC Registered) 288 Pin DIMM PHS-memory® 128GB SP488147 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®)	24GB	SP488140	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 48GB SP488143 DDR5 RDIMM (ECC Registered) 64GB SP488145 DDR5 RDIMM (ECC Registered) 96GB SP488146 DDR5 RDIMM (ECC Registered) 70 RDIMM (ECC Registered) 71 RDIMM (ECC Registered) 72 RDIMM (ECC Registered) 73 RDIMM (ECC Registered) 74 RDIMM (ECC Registered) 75 RDIMM (ECC Registered) 76 RDIMM (ECC Registered) 77 RDIMM (ECC Registered) 77 RDIMM (ECC Registered)	32GB	SP488142	DDR5	`	288 Pin DIMM	PHS-memory®	
Registered) 64GB SP488145 DDR5 RDIMM (ECC Registered) 96GB SP488146 DDR5 RDIMM (ECC Registered) 128GB SP488147 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory® RDIMM (ECC 288 Pin DIMM PHS-memory®	32GB	SP488141	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 96GB SP488146 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 128GB SP488147 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®	48GB	SP488143	DDR5	•	288 Pin DIMM	PHS-memory®	
Registered) 128GB SP488147 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory®	64GB	SP488145	DDR5	•	288 Pin DIMM	PHS-memory®	
· · · · · · · · · · · · · · · · · · ·	96GB	SP488146	DDR5	•	288 Pin DIMM	PHS-memory®	
	128GB	SP488147	DDR5	•	288 Pin DIMM	PHS-memory®	
256GB SP488148 DDR5 RDIMM (ECC 288 Pin DIMM PHS-memory® Registered) 3DS	256GB	SP488148	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.es/-W5Y



Contact Information

PHS-electronic gmbh - www.phs-memory.es -Karl-Götz-Str. 5 97424 Schweinfurt Alemania Phone: +49 9721 784678 E-Mail: info@phs-memory.es Web: www.phs-memory.es

All information without guarantee. Technical changes and errors excepted. You can find current price information in our online

Product Datasheet | SP488145 64GB Computer memory for ESC8000A-E12P



shop at https://www.phs-memory.es