

## 64GB Computer memory DDR4 for Fujitsu D3321 LRDIMM





# 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	64GB
Memory technology	DDR4
ECC support	ja
JEDEC Norm	PC4-2133P-L
DRAM Organization	4Gx4
Rank	2Rx4
Туре	LRDIMM (ECC LR DIMM)
Number of pins	288 Pin DIMM
Memory data transfer rate	2133MHz @ CL15
Voltage	1,2 Volt
Speciality	-, DDP
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	SP159200
EAN	4055069308693

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	Fujitsu
Device type	Motherboard-memory
Device family	Mainboard D
Device series	D3300 Serie
Device name	D3321
Maximum memory*	6TB / 1,5TB according to manufacturer
Number of memory sockets	24
Annotation	Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed By upgrading, you should therefore know which memories already exist or upgrade completely with LRDIMM memory.

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

#### Computer memory Bestückung BX2560 M2

- Das serverBoard D3321 verfügt über insgesamt 24 memorysteckplätze.
- Es können nur die memory slots genutzt werden, deren zugehörige CPU gesteckt ist.
- Die Maximalkapazität of 1,5TB erreichen Sie with 24 x 64GB LR DIMM.
- RDIMM memory and LR DIMM memory sind technisch nicht witheinander kompatibel. Sie können deshalb diese beiden Technologien nicht gemischt im server witheinander betreiben.

Für weitere Fragen zur spezifischen Bestückung Ihres servers helfen wir Ihnen gerne weiter.

#### 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

#### Product Datasheet | SP159200 64GB Computer memory for D3321



General installation instructions are supplied by E-Mail.



#### Further memory options for Fujitsu D3321

8GB         SP159203         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           16GB         SP159201         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           32GB         SP341738         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP464080         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           64GB         SP159200         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP464078         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)           32GB         SP341738         DDR4         RDIMM (ECC Registered)         288 Pin DIMM         PHS-memory®           64GB         SP464080         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           64GB         SP159200         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP464078         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM         PHS-memory®	8GB	SP159203	DDR4	·	288 Pin DIMM	PHS-memory®	
Registered)           64GB         SP464080         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           64GB         SP159200         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP464078         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM         PHS-memory®	16GB	SP159201	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS           64GB         SP159200         DDR4         LRDIMM (ECC LR DIMM)         288 Pin DIMM         PHS-memory®           128GB         SP464078         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM         PHS-memory®	32GB	SP341738	DDR4	`	288 Pin DIMM	PHS-memory®	
LR DIMM)         LR DIMM)           128GB         SP464078         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM         PHS-memory®	64GB	SP464080	DDR4	•	288 Pin DIMM	PHS-memory®	
LR DIMM) 3DS           128GB         SP464081         DDR4         RDIMM (ECC Registered) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM         PHS-memory®	64GB	SP159200	DDR4	•	288 Pin DIMM	PHS-memory®	
Registered) 3DS           256GB         SP464079         DDR4         LRDIMM (ECC LR DIMM) 3DS         288 Pin DIMM         PHS-memory®           256GB         SP464082         DDR4         RDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP464078	DDR4		288 Pin DIMM	PHS-memory®	
LR DIMM) 3DS  256GB SP464082 DDR4 RDIMM (ECC 288 Pin DIMM PHS-memory®	128GB	SP464081	DDR4	•	288 Pin DIMM	PHS-memory®	
·	256GB	SP464079	DDR4		288 Pin DIMM	PHS-memory®	
	256GB	SP464082	DDR4	•	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

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

### Product Datasheet | SP159200 64GB Computer memory for D3321



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