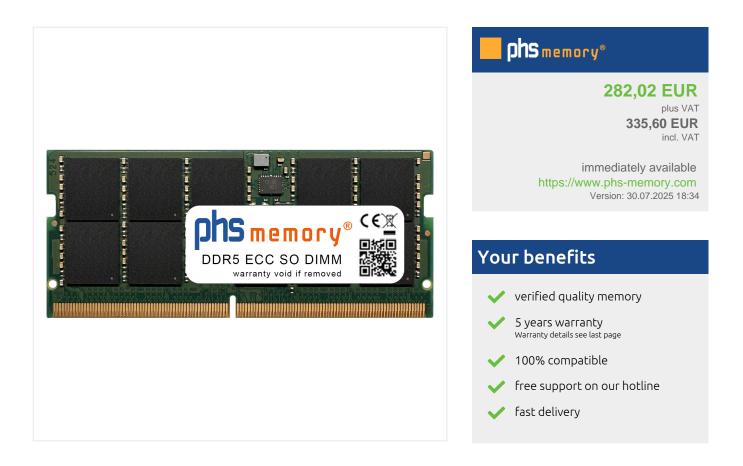
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# 48GB Computer memory DDR5 for Asustor Flashstor 12 Pro Gen2 (FS6812X) SO DIMM ECC

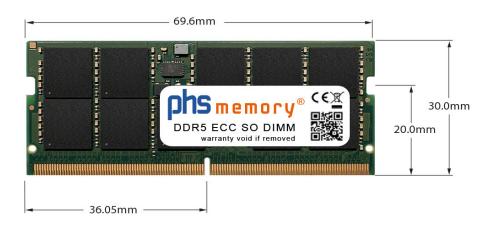


#### PHS-memory® - computer memory with 100% quality

- 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

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## Memory Specification



Memory size	48GB		
Memory technology	DDR5		
ECC support	ja		
JEDEC Norm	РС5-38400-Р		
DRAM Organization	3Gx8		
Rank	2Rx8		
Туре	SO DIMM ECC		
Number of pins	262 Pin SO DIMM		
Memory data transfer rate	4800MHz		
Memory data transfer rate Voltage	4800MHz 1,1 Volt		
Voltage	1,1 Volt		
Voltage Speciality	1,1 Volt		
Voltage Speciality Operating temperature	1,1 Volt - 0° C - 85° C		
Voltage Speciality Operating temperature Storage temperature	1,1 Volt - 0° C - 85° C -40° C - +95° C		

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.

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### System Specifications

The memory is 100% compatible with this sytem:

System manufacturer	Asustor
Device type	Storage/NAS
Device family	Flashstor
Device series	FS6800 Serie
Device name	Flashstor 12 Pro Gen2 (FS6812X)
Standard memory	16GB (1x16GB) ECC
Maximum memory*	96GB
Number of memory sockets	2

\* The specifications for the maximum memory upgrade may differ from those of the manufacturer Asustor. 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:

- Im Gerät können non ECC or ECC (Error-Correction-Code) RAM-memory installiert werden. Memory with der Description ECC besitzen eine Fehlerkorrektur.
- Non ECC memory modules cannot be used together with ECC memories.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (non ECC / ECC) is already existing 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.

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### Further memory options for Asustor Flashstor 12 Pro Gen2 (FS6812X)

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
16GB	SP579944	DDR5	SO DIMM ECC	262 Pin SO DIMM	PHS-memory®	AS-16GECD5
32GB	SP579969	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	AS-32GD5
32GB	SP579945	DDR5	SO DIMM ECC	262 Pin SO DIMM	PHS-memory®	AS-32GECD5
48GB	SP579970	DDR5	SO DIMM	262 Pin SO DIMM	PHS-memory®	AS-48GD5
48GB	SP579946	DDR5	SO DIMM ECC	262 Pin SO DIMM	PHS-memory®	AS-48GECD5

#### 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.com/-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 shop at https://www.phs-memory.com