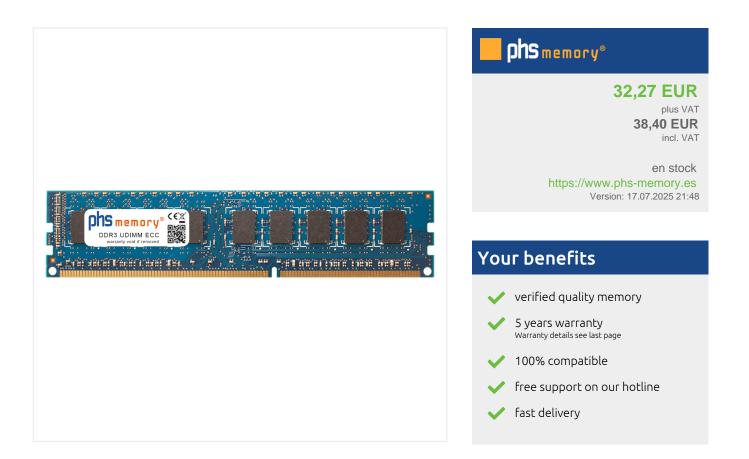


8GB Computer memory DDR3 for QNAP SS-EC2479U-SAS-RP UDIMM ECC



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

•	133.35mm			
		9.5mm	17.3mm	30mm
-	54.68mm	t		

Memory technologyDDR3ECC supportjaJEDEC NormPC3-12800EDRAM Organization\$12Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Memory size	8GB		
JEDEC NormPC3-12800EDRAM Organization\$12Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Memory technology	DDR3		
DRAM Organization512Mx8Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	ECC support	ја		
Rank2Rx8TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	JEDEC Norm	PC3-12800E		
TypeUDIMM ECC (ECC unbuffered)Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	DRAM Organization	512Mx8		
Number of pins240 Pin DIMMMemory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Rank	2Rx8		
Memory data transfer rate1600MHz @ CL11Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Туре	UDIMM ECC (ECC unbuffered)		
Speciality-Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Number of pins	240 Pin DIMM		
Board dimensions133,35 x 30 (LxB mm)Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Memory data transfer rate	1600MHz @ CL11		
Operating temperature0° C - 85° CStorage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Speciality	-		
Storage temperature-40° C - +95° CRoHS compliantYesSKUSP146777	Board dimensions	133,35 x 30 (LxB mm)		
RoHS compliantYesSKUSP146777	Operating temperature	0° C - 85° C		
SKU SP146777	Storage temperature	-40° C - +95° C		
	RoHS compliant	Yes		
	SKU	SP146777		
EAN 4055009210554	EAN	4055069216554		
EAN 4033009210334	EAN	4055069216554		

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	QNAP		
Device type	Storage/NAS		
Device family	NAS TS		
Device series	TS-ECx79U Serie		
Device name	SS-EC2479U-SAS-RP		
Standard memory	8GB (2x4GB)		
Maximum memory*	32GB		
Number of memory sockets	4		

* The specifications for the maximum memory upgrade may differ from those of the manufacturer QNAP. 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 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 QNAP SS-EC2479U-SAS-RP

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
4GB	SP146776	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	RAM-4GDR3EC- LD-1600
8GB	SP146777	DDR3	UDIMM ECC (ECC unbuffered)	240 Pin DIMM	PHS-memory®	RAM-8GDR3EC- LD-1600

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

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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.es