

4GB Computer memory DDR4 for QNAP TS-977XU UDIMM



phs memory®

24,54 EUR

plus VAT

29,20 EUR

incl. VAT

immediately available

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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	4GB
Memory technology	DDR4
ECC support	no
JEDEC Norm	PC4-19200U
Type	UDIMM (Non-ECC unbuffered)
Number of pins	288 Pin DIMM
Memory data transfer rate	2400MHz @ CL17
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	SP284257
EAN	4063369541542

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 system:

System manufacturer	QNAP
Device type	Storage/NAS
Device family	NAS TS
Device series	TS-x77XU Serie
Device name	TS-977XU
Standard memory	4GB
Maximum memory*	64GB
Number of memory sockets	4
Annotation	For dual- or quad-DIMM configurations, you must use a pair of identical DDR4 modules.

* 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.

Further memory options for QNAP TS-977XU

Size	SKU	Technology	Type	Number of pins	Brand	Reference no.
4GB	SP284257	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-4GDR4A1-UD-2400, RAM-4GDR4A0-UD-2400
4GB	SP284258	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	2 x RAM-4GDR4A1-UD-2400, RAM-4GDR4A0-UD-2400
8GB	SP284255	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	2 x RAM-8GDR4A1-UD-2400, RAM-8GDR4A0-UD-2400
8GB	SP284256	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-8GDR4A1-UD-2400, RAM-8GDR4A0-UD-2400
16GB	SP284251	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-16GDR4A1-UD-2400, RAM-16GDR4A0-UD-2400
16GB	SP284252	DDR4	UDIMM (Non-ECC unbuffered)	288 Pin DIMM	PHS-memory®	2 x RAM-16GDR4A1-UD-2400, RAM-16GDR4A0-UD-2400

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>



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Garantie**

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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>