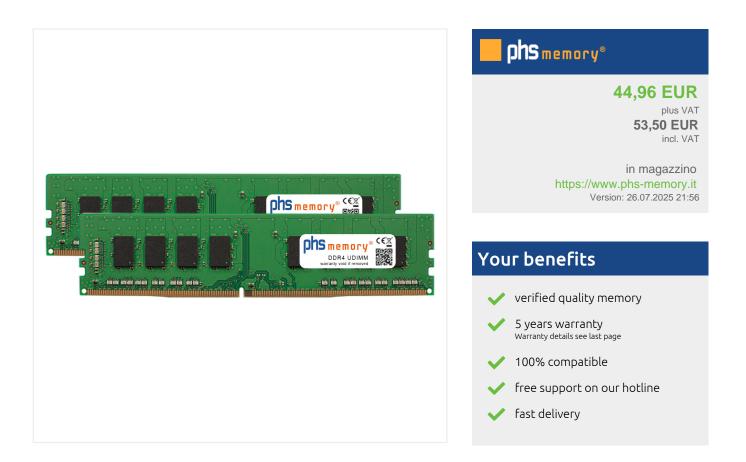
phs memory®

16GB (2x8GB) Kit Computer memory DDR4 for QNAP TS-1677XU-RP-2700-16G UDIMM



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	
		31.25mm 30.75mm 17.60mm
◄ 56.10mm	• 64.60mm •	

Memory size	8GB		
Memory technology	DDR4		
ECC support	по		
JEDEC Norm	PC4-19200U		
Туре	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	SP281373		
EAN	4063369458741		

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-x77XU Serie
Device name	TS-1677XU-RP-2700-16G
Standard memory	16GB (2x 8GB)
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-1677XU-RP-2700-16G

Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
8GB	SP276554	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-8GDR4A0- UD-2400, RAM- 8GDR4A1-UD-2 400
8GB	SP281373	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-8GDR4A0- UD-2400, RAM- 8GDR4A1-UD-2 400
16GB	SP276553	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-16GDR4A0 -UD-2400, RAM- 16GDR4A1-UD- 2400
16GB	SP276563	DDR4	UDIMM (Non- ECC unbuffered)	288 Pin DIMM	PHS-memory®	RAM-16GDR4A0 -UD-2400, RAM- 16GDR4A1-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.it/-W5Y



Contact Information

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

All information without guarantee. Technical changes and errors excepted. You can find current price information in our online shop at https://www.phs-memory.it