

# 32GB Computer memory DDR3 for Dell Precision T3610 RDIMM





# 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	32GB
Memory technology	DDR3
ECC support	yes
JEDEC Norm	PC3L-12800R
DRAM Organization	2Gx4
Rank	4Rx4 (4DRx4 DDP)
Туре	RDIMM (ECC Registered)
Number of pins	240 Pin DIMM
Memory data transfer rate	1600MHz @ CL11
Voltage	1,35 Volt
Speciality	DDP
Board dimensions	133,35 x 30 (LxB mm)
Operating temperature	0° C - 85° C
Storage temperature	-40° C - +95° C
RoHS compliant	yes
SKU	SP463684
EAN	4067488271977

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	Dell		
Device type	Workstation		
Device family	Precision Workstation		
Device series	T3000 Serie		
Device name	Precision T3610		
Maximum memory*	256GB		
Number of memory sockets	8		

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

- The device supports ECC DIMM (with error correction code) or RDIMM (Registered DIMM) RAM memories. RDIMM memories are recommended when large memory capacities are to be achieved.
- The different memory technologies (ECC / RDIMM) may not be mixed.
- If a memory expansion is to be made with the already existing RAM memories, it must be checked which memory technology (ECC/ RDIMM) is already installed in the system.
- If memory modules are provided with higher speeds than specified by the system, the memory speed is automatically adjusted to the system specifications.

# 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 Dell Precision T3610

4GB         SP152653         DDR3         UDIMM ECC (ECC unbuffered)         240 Pin DIMM         PHS-memory® (A7303660)         SNPYWJTRC/4G (A7303660)           8GB         SP152659         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory® (A7990613)         SNPPKCG9C/8G, A7990613           8GB         SP152654         DDR3         UDIMM ECC (ECC unbuffered)         240 Pin DIMM         PHS-memory® (A6960121)         SNP96MCTC/8G (A6960121)           16GB         SP152657         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory® (A6960121)         SNP20D6FC/16 (A6994465, JR5VJ) (A699446	Size	SKU	Technology	Туре	Number of pins	Brand	Reference no.
Registered)         A7990613           8GB         SP152654         DDR3         UDIMM ECC (ECC (ECC unbuffered))         240 Pin DIMM         PHS-memory® PHS-memory®         SNP96MCTC/8G (A6960121)           16GB         SP152657         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®         SNP20D6FC/16 (G, A6994465, JR5VJ, 319-1815, 370-23526)           16GB         SP296285         DDR3         RDIMM (ECC Registered)         240 Pin DIMM         PHS-memory®         SNP12C23C/16 (G, A7187318)           32GB         SP463684         DDR3         RDIMM (ECC 240 Pin DIMM)         PHS-memory®	4GB	SP152653	DDR3	(ECC	240 Pin DIMM	PHS-memory®	•
(ECC unbuffered)       A6960121         16GB       SP152657       DDR3       RDIMM (ECC Registered)       240 Pin DIMM       PHS-memory®       SNP20D6FC/16 G, A6994465, JR5VJ, 319-1815, 370-23526         16GB       SP296285       DDR3       RDIMM (ECC Registered)       240 Pin DIMM       PHS-memory®       SNP12C23C/16 G, A7187318         32GB       SP463684       DDR3       RDIMM (ECC 240 Pin DIMM       PHS-memory®	8GB	SP152659	DDR3	•	240 Pin DIMM	PHS-memory®	•
Registered)  Registered)  Registered)  G, A6994465, JR5VJ, 319-1815, 370-23526  PHS-memory® SNP12C23C/16 G, A7187318  RDIMM (ECC 240 Pin DIMM PHS-memory® G, A7187318	8GB	SP152654	DDR3	(ECC	240 Pin DIMM	PHS-memory®	•
Registered) G, A7187318  32GB SP463684 DDR3 RDIMM (ECC 240 Pin DIMM PHS-memory®	16GB	SP152657	DDR3	•	240 Pin DIMM	PHS-memory®	G, A6994465, JR5VJ, 319-1815,
· · · · · · · · · · · · · · · · · · ·	16GB	SP296285	DDR3	·	240 Pin DIMM	PHS-memory®	•
	32GB	SP463684	DDR3	•	240 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.it/-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.it