

## 32GB Computer memory DDR3 for Lenovo System x3850 X6 (6241) (DDR3) LRDIMM



**phs** memory®

**51,68 EUR**

plus VAT

**61,50 EUR**

incl. VAT

en stock

<https://www.phs-memory.es>

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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               | 32GB                 |
| Memory technology         | DDR3                 |
| ECC support               | ja                   |
| JEDEC Norm                | PC3L-12800L          |
| DRAM Organization         | 2Gx4                 |
| Rank                      | 4Rx4 (4DRx4 DDP)     |
| Type                      | LRDIMM (ECC LR DIMM) |
| 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                       | SP188924             |
| EAN                       | 4055069575200        |

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:

|                                 |                                                                                                                                                |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System manufacturer</b>      | Lenovo                                                                                                                                         |
| <b>Device type</b>              | Server                                                                                                                                         |
| <b>Device family</b>            | IBM System x                                                                                                                                   |
| <b>Device series</b>            | x3850 X6 Serie                                                                                                                                 |
| <b>Device name</b>              | System x3850 X6 (6241) (DDR3)                                                                                                                  |
| <b>Standard memory</b>          | 32GB (4x8GB)                                                                                                                                   |
| <b>Maximum memory*</b>          | 3TB                                                                                                                                            |
| <b>Number of memory sockets</b> | 96                                                                                                                                             |
| <b>Annotation</b>               | You can use RDIMM and LRDIMM memories but not mixed with each other. By the upgrading, you should therefore know which memories already exist. |

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

### Which memory configuration is possible?

Our memory team will be happy to help you choose the right memory and configure your server.

| Technologie | max. Ram pro CPU             | max. Ram 2 x CPU           | max. Ram 4 x CPU           |
|-------------|------------------------------|----------------------------|----------------------------|
| UDIMM ECC   | 128GB (16 x 8GB UDIMM ECC)   | 256GB (32 x 8GB UDIMM ECC) | 512GB (64 x 8GB UDIMM ECC) |
| RDIMM       | 384GB RAM (24 x 16GB RIMM)   | 768GB (48x16GB RDIMM)      | 1,5TB (96x16GB RDIMM)      |
| LRDIMM      | 1,5TB RAM (24 x 64GB LRDIMM) | 3TB (48x64GB LRDIMM)       | 6TB (96x64GB RDIMM)        |

Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed. Bei einer Aufrüstung sollten Sie deshalb wissen, welche memory bereits vorhanden sind or komplett with LRDIMMcomputer memory upgrade.

### Principles of memory assembly

- Eine CPU ist with 2 memorycontrollern ausgestattet. Jeder memorycontroller verfügt über 2 SMI (Scalable Memory Interface) with until zu 6 memory memory slotsn. Sowith kann eine CPU until zu 24 RAM memory adressieren (2 Controller x 2 SMI x 6 DIMM memory slots)
- Registered DIMM and Load Reduced LRDIMM memory modules must not be mixed
- Bei einer Aufrüstung sollten Sie deshalb wissen, welche memory bereits vorhanden sind or komplett with LRDIMMcomputer memory upgrade.
- memorysteckplätze for die kein Prozessor vorhanden ist dürfen nicht bestückt werden

## Memory configuration for good system performance

- Optimal performance is achieved by 4 or 8 identical memories per CPU.
- When equipped with 8 DIMMs (1 DimmPerChannel) , 16 DIMMs (2 DPC) or 24 DIMMs (3 DPC) per CPU, interleaving is optimally supported via the memory controllers and memory channels. This enables maximum performance in independent mode and lockstep mode.
- Assemblies with 2 DIMMs, 6 DIMMs or 10 DIMMs per CPU are not recommended.
- Distribute the memory evenly among the memory slots and equally among the CPUs.
- Wenn mehr als eine CPU vorhanden sind, sollten die memory pro CPU identisch (gespiegelt zur anderen CPU) bestückt werden.

## Partnumber / Feature Code DDR3 Compute Book:

44X3961 A4AM / A4B3  
44X3966 A4AN / A4B4  
44X3971 A4AP / A4B5  
44X3976 A4AQ / A4B6  
44X3981 A4AR / A4B7  
44X3986 A4AS / A4B8  
44X3991 A4AT / A4B9  
44X3996 A4AU / A4BA  
00ML902 AS7T / AS8H  
00ML906 AS7U / AS8J  
00ML910 AS7V / AS8K  
00ML914 AS7W / AS8L  
44X4001 A4AV / A4BB  
44X4031 A4B1 / A4BH  
44X4011 A4AX / A4BD  
44X4016 A4AY / A4BE  
44X4036 A4B2 / A4BJ  
44X4021 A4AZ / A4BF  
44X4026 A4B0 / A4BG  
44X4006 A4AW / A4BC  
00ML922 AS7X / AS8M  
00FP692 AS7R / AS8F  
00ML926 AS7Y / AS8N  
00ML930 AS7Z / AS8P  
00ML938 AS81 / AS8R  
00ML934 AS80 / AS8Q  
00ML942 AS82 / AS8S  
00ML946 AS83 / AS8T

## 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 Lenovo System x3850 X6 (6241) (DDR3)

| Size | SKU      | Technology | Type                   | Number of pins | Brand       | Reference no. |
|------|----------|------------|------------------------|----------------|-------------|---------------|
| 8GB  | SP188926 | DDR3       | RDIMM (ECC Registered) | 240 Pin DIMM   | PHS-memory® | 00D5036       |
| 16GB | SP188925 | DDR3       | RDIMM (ECC Registered) | 240 Pin DIMM   | PHS-memory® | 46W0672       |
| 32GB | SP464819 | DDR3       | RDIMM (ECC Registered) | 240 Pin DIMM   | PHS-memory® |               |
| 32GB | SP188924 | DDR3       | LRDIMM (ECC LR DIMM)   | 240 Pin DIMM   | PHS-memory® | 46W0676       |

## 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>