

[Home](#) > [Lenovo](#) > 90Y3101

90Y3101 – Memory Specs & Substitutes

Lenovo · DIMM

WHAT YOU NEED TO KNOW

2Rx4 = Dual Rank x4 chip width (standard server) RDIMM = Registered (servers) | LRDIMM = Load-Reduced (max density)

⚠ DDR3 ≠ DDR4 ≠ DDR5 — physically incompatible (notch position)

PRODUCT OVERVIEW

Lenovo 90Y3101 memory module 32 GB 1 x 32 GB DDR3 240-pin DIMM ECC. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels. Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS

90Y3101

SPECIFICATIONS

Part Number	90Y3101
Manufacturer	Lenovo
Interface	DDR3
Capacity	32GB

BROWSE LENOVO MACHINES

ThinkSystem SR650 V1

ThinkSystem SR650 V2

ThinkSystem SR630 V1

ThinkSystem SR630 V2

System x3650 M5

System x3550 M5

ThinkServer RD550

System x IBM System x3650 M4

ThinkServer RD650

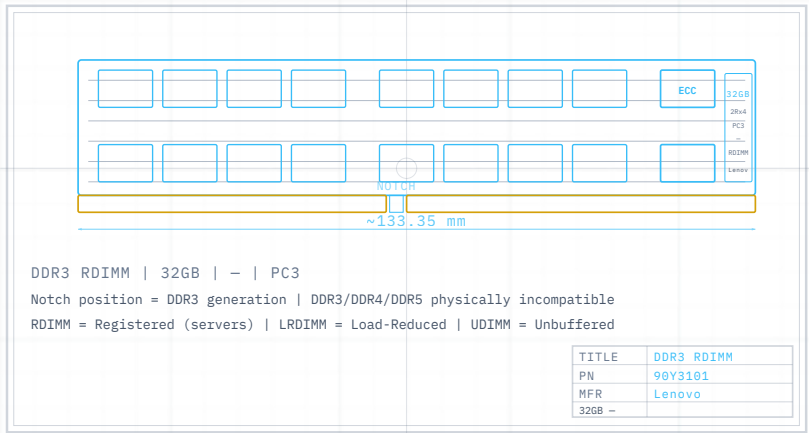
SD530

System x3500 M4

ThinkServer RD350

[All Lenovo machines and parts](#)

COMPONENT DIAGRAM



KEY FEATURES

- **DDR3 Interface**
- **32GB Capacity**
- **DDR3 Memory**

TYPICAL APPLICATIONS

- Server memory expansion for virtualization workloads
- Database performance optimization (in-memory computing)
- VDI and remote desktop session hosting
- High-performance computing (HPC) clusters
- Mail server and collaboration platform scaling
- Application server tier expansion

SUBSTITUTES & CROSS-REFERENCES
2

90Y3103 Compatible PARTNER

IBM 32GB Pc3L-8500r 1066MHZ ECC Reg Qr X4 Cas-7
Lv Dimm - Fru
compatible

90Y4300 Compatible PARTNER

IBM 32GB Pc3L-8500r 1066MHZ ECC Reg Qr X4 Cas-7
Lv Dimm - P/n
compatible

LIFECYCLE

No lifecycle data available.

THIS PART SUBSTITUTES FOR
2

90Y3103 SUBSTITUTE

IBM 32Gb PC3L-8500R 1066Mhz ECC REG QR x4 CAS-7 LV (1x32Gb) Memory Kit for x3850/x3950 X5 - Option
IBM

90Y4300 SUBSTITUTE

IBM 32Gb PC3L-8500R 1066Mhz ECC REG QR x4 CAS-7 LV (1x32Gb) Memory Kit for x3850/x3950 X5 - Option
IBM

FREQUENTLY ASKED QUESTIONS

What is 90Y3101?

90Y3101 is a Lenovo 90Y3101 memory module 32 GB 1 x 32 GB DDR3 240-pin DIMM ECC manufactured by Lenovo.

What parts can replace 90Y3101?

There are 2 known substitutes for 90Y3101: 90Y3103, 90Y4300. Substitute compatibility should be verified for your specific system.

✓ PartsTable — the parts reference. Every fact cited to its source.

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PartsTable commercial catalog: edition Unified commercial catalog snapshot through 2026-09-28, edition date not on file, retrieved 2026-09-28.