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01PE680 – 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

IBM 32Gb PC4-2666V-R ECC REG DR x4 DIMM for ThinkSystem - FRU. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels. Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS

01PE680

SPECIFICATIONS

Part Number	01PE680
Manufacturer	LENOVO
Capacity	32GB
Speed	2666MHz

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

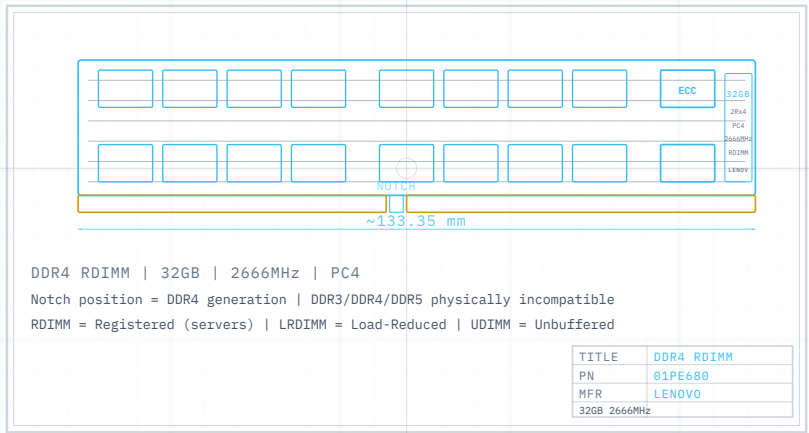
SD530

System x3500 M4

ThinkServer RD350

[All Lenovo machines and parts](#)

COMPONENT DIAGRAM



KEY FEATURES

- 32GB Capacity
- 2666MHz Speed

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
 9

- 7X77A01304**
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 (1x32Gb) Memory Kit for ThinkSystem - Option compatible
- 01DE974**
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU compatible
- 01KN339**
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU compatible
- SM30K02153**
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - P/N

LIFECYCLE

No lifecycle data available.

compatible

SM30L13368
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM
 for ThinkSystem - P/N
 compatible

4X77A13364
Compatible
PARTNER

IBM 32Gb PC4-2666V-R ECC REG DR x4 DIMM for
 ThinkSystem - Option
 compatible

THIS PART SUBSTITUTES FOR
 9

SM30K02153
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

SM30L13368
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

SM37A19022
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

01DE974
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

01KN339
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

01PE569
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

4X77A13364
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

4ZC7A08717
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

7X77A01304
SUBSTITUTE

IBM 32Gb PC4-2666V-R ECC REG DR x4 CAS-19 DIMM for ThinkSystem - FRU
 LENOVO

FREQUENTLY ASKED QUESTIONS

What is 01PE680?

01PE680 is a IBM 32Gb PC4-2666V-R ECC REG DR x4 DIMM for ThinkSystem - FRU manufactured by LENOVO.

What parts can replace 01PE680?

There are 9 known substitutes for 01PE680: 7X77A01304, 01DE974, 01KN339 and 6 more. Substitute compatibility should be verified for your specific system.

Is 01PE680 still available?

01PE680 is currently Unknown.

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

 PartsTable Design LLC · partstable.com

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