



Home > [Lenovo](#) > [Server Memory \(RAM\)](#) > 4X70G88316

4X70G88316 – Memory Specs & Substitutes

LENOVO · MEMORY · UDIMM

WHAT YOU NEED TO KNOW

Memory is a hot market right now. DDR5 and DDR4 are extremely volatile with data centers driving availability to extreme lows. Always validate machine type and model. Remember: all RAM is Hynix, Samsung, or Micron underneath OEM labels — use that to find alternatives. Key checks: Double-check what you're quoting in volatile market.

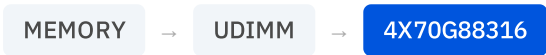
⚠ HOT market — DDR5/DDR4 extremely volatile

PRODUCT OVERVIEW

Memory is one of the most vital components to keep your ThinkServer operating at maximum performance and push the boundaries of productivity for all of your server applications such as virtualization, e-commerce, or file and print services. The ThinkServer DDR4 memory enables high I/O data transfer rate (1) and reduced power consumption. Faster data transfer rates mean higher performance, and with DDR4 memory this is achieved without straining the system's power needs.

This offering covers: ThinkServer 4GB 1RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM ThinkServer 8GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM ThinkServer 16 GB 2RX8 PC4-2133-E CL15 DDR4-2133 ECC-UDIMM Test-proven 100% compatible with listed ThinkServer Systems(2) Meets stringent ThinkServer reliability standards High bandwidth performance, up to 2133M per second per data pin Lenovo Limited Warranty Authenticity seal on every DIMM (1) Data transfer rate may vary based upon many factors and is often less than the maximum possible

WHERE IT FITS



SPECIFICATIONS

ECC	Yes
Depth	4.1 mm

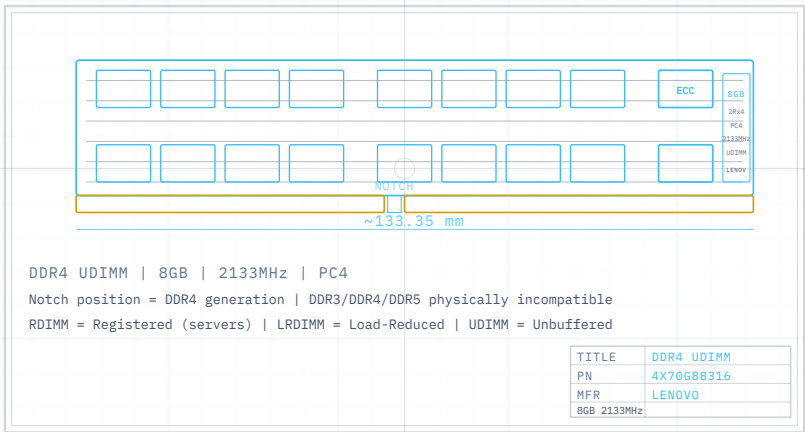
Width	133.3 mm
Height	31.2 mm
Weight	20 g
CAS latency	15
Component for	PC/Server
Product colour	Green
Internal memory	8 GB
Memory clock speed	2133 MHz
Memory form factor	288-pin DIMM
Internal memory type	DDR4

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

- Up to 8 GB

TYPICAL APPLICATIONS

- **DDR4 Interface**
- **8GB Capacity**
- **2133MHz Speed**
- **DDR4 UDIMM**

- 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

3

00PH889

Substitute

BROKER-VERIFIED

Lenovo 8GB PC4-2133E 2RX8 DDR4-2133 ECC UDIMM substitute

4X70G88331

Substitute

BROKER-VERIFIED

Lenovo 8GB PC4-2133E 2RX8 DDR4-2133 ECC UDIMM substitute

00PC609

Substitute

BROKER-VERIFIED

Lenovo 8GB PC4-2133E 2RX8 DDR4-2133 ECC UDIMM substitute

LIFECYCLE

No lifecycle data available.

THIS PART SUBSTITUTES FOR

3

00PC609

SUBSTITUTE

IBM 8Gb PC4-2133P-E ECC UB DR x8 CAS-15 (1x8Gb) Memory Kit for ThinkServer - Option
LENOVO

00PH889

SUBSTITUTE

IBM 8Gb PC4-2133P-E ECC UB DR x8 CAS-15 (1x8Gb) Memory Kit for ThinkServer - Option
LENOVO

4X70G88331

SUBSTITUTE

IBM 8Gb PC4-2133P-E ECC UB DR x8 CAS-15 (1x8Gb) Memory Kit for ThinkServer - Option
LENOVO

FREQUENTLY ASKED QUESTIONS

- What is 4X70G88316?**

4X70G88316 is a Lenovo 8GB PC4-2133E 2RX8 DDR4-2133 ECC UDIMM manufactured by LENOVO. It is classified as a MEMORY (UDIMM).
- What parts can replace 4X70G88316?**

There are 3 known substitutes for 4X70G88316: 00PH889, 4X70G88331, 00PC609. Substitute compatibility should be verified for your specific system.

✓ 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.