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46W0796 – Memory Specs & Substitutes

IBM · MEMORY · RDIMM

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

Upgrading your memory is a cost-effective way to improve system performance when insufficient memory and hard drive paging is slowing your applications down.
- Faster start-up times with fewer delays during routine operations.
- More programs running simultaneously.
- Easy toggling between several open applications.
- Rigorous supplier qualification processes for ensured quality. Available through authorized enterprise resellers and TPM (Third Party Maintenance) channels. Verify compatibility with your specific system configuration before ordering.

WHERE IT FITS



SPECIFICATIONS

CAS latency	15
Component for	PC/Server
Memory voltage	1.2 V
Internal memory	16 GB
Memory clock speed	2133 MHz
Memory form factor	288-pin DIMM

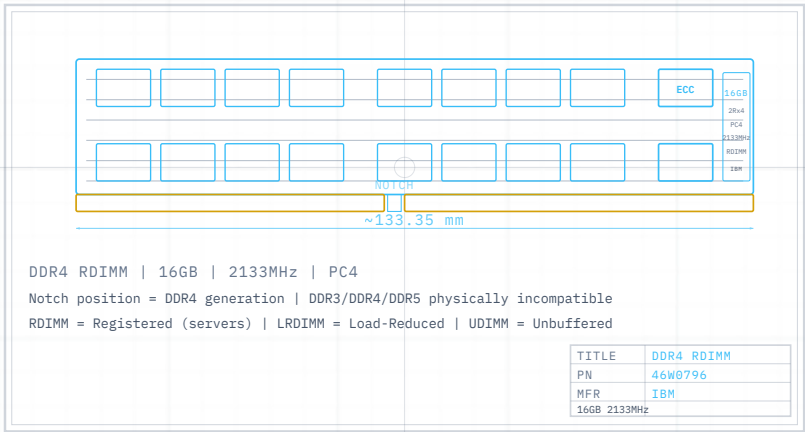
Internal memory type	DDR4
Harmonized System (HS) code	84733020
Memory layout (modules x size)	1 x 16 GB

BROWSE IBM MACHINES

- 160/320Gb Escon Tape Drive Int (Ts1130)
- 1600/3200Gb Lto Tape FC-8Gb Hh (Ts3100/Ts3200)
- 2145-Sv1 San Volume Controller
- 2147-Sa2 San Volume Controller
- 2500/6250Gb Lto Tape FC-8Gb (Ts3310)
- 2812 Xivg2 2Tb Data Module (Fc 1126)
- 2812 Xivg2 2Tb Interface Module (Fc 1125)
- 2812 Xivg2 2Tb Lv Cod Data Module (Fc 1117)
- 3.5Ghz Cpu 12C (Fc Epxh) Power8
- 4/24-Port FC-8Gb San Switch (San06B-R)
- 7042 Hmc 2.4Ghz/15Mb/6C (E5-2620V3)
- 8247-22L (S22L) Power8

[All IBM machines and parts](#)

COMPONENT DIAGRAM



KEY FEATURES

- Up to 16 GB
- DDR4 Interface
- 16GB Capacity
- 2133MHz Speed
- DDR4 RDIMM

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 5

46W0798 Substitute BROKER-VERIFIED
IBM 16GB PC4-2133P-R 2Rx4 DDR4-17000r
substitute

47J0253 Substitute BROKER-VERIFIED
Lenovo 16GB (1*16GB) PC4-17000 2RX4 DDR4 CL15
MEMORY
substitute

00FM012 Compatible PARTNER
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15
(1x16Gb) Memory Kit for M5 / x3850/x3950 X6 -
Option
compatible

01DE984 Compatible PARTNER
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15
(1x8Gb) Samsung Memory Kit - SBB
compatible

46W0795 Compatible PARTNER
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15
(1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - SBB
compatible

LIFECYCLE

No lifecycle data available.

THIS PART SUBSTITUTES FOR 5

00FM012 SUBSTITUTE
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15 (1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - Option
IBM

01DE984 SUBSTITUTE
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15 (1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - Option
IBM

46W0795 SUBSTITUTE
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15 (1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - Option
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46W0798 SUBSTITUTE
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15 (1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - Option
IBM

47J0253 SUBSTITUTE
IBM 16Gb PC4-2133P-R ECC REG DR x4 CAS-15 (1x16Gb) Memory Kit for M5 / x3850/x3950 X6 - Option

IBM

FREQUENTLY ASKED QUESTIONS

What is 46W0796?

46W0796 is a IBM 16 GB (Dual-Rank x4) 1.2 V PC4-17000 2133 MHz DDR4 RDIMM manufactured by IBM. It is classified as a MEMORY (RDIMM).

What parts can replace 46W0796?

There are 5 known substitutes for 46W0796: 46W0798, 47J0253, 00FM012 and 2 more. Substitute compatibility should be verified for your specific system.

Is 46W0796 still available?

46W0796 is currently Unknown.

✓ 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.