

System Memory - Asus PRIME H370-A Manual

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Bookmarks



1.4

System memory

This motherboard comes with four Double Data Rate 4 (DDR4) Dual Inline Memory Module

(DIMM) sockets. The figure illustrates the location of the DDR4 DIMM sockets:

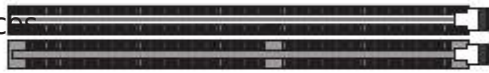
• You may install varying memory sizes in Channel A and Channel B. The system maps the total size of the DIMMs to the dual-channel configuration. Any excess memory from the higher-sized channel is then mapped for single-channel operation.

• Always install DIMMs with the same CAS latency. For optimal compatibility, we

recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.

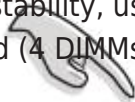
•
DDR4 2666MHz and higher memory modules will run at max. 2666MHz on Intel Generation 6-core or higher processors; DDR4 2400MHz and higher memory modules will run at max. 2400MHz on Intel

•
Memory modules with memory frequency higher than 2133 MHz and its corresponding timing or the loaded X.M.P. Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices



•
The default memory operation frequency is dependent on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

•
For system stability, use a more efficient memory cooling system to support a full memory load (4 DIMMs).



•
Refer to www.asus.com for the latest Memory QVL (Qualified Vendors List)

Recommended memory configurations

DIMM_A2*

1-11

DIMM_B1

DIMM_B2*

DIMM_A1

DIMM_A2*

DIMM_B2*

DIMM_A2*

Channel A

DIMM_A1 & DIMM_A2*

Channel B

DIMM_B1 & DIMM_B2*

8th Generation 4-core processors.

®

DIMM_B1

DIMM_B2*

DIMM_A1

DIMM_A2*



8th

®

ASUS PRIME H370-A

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(89 pages)

[Motherboard Asus ROG STRIX H370-F GAMING User Manual](#)

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[Asus Q170A-IM-A](#)

[Z13PE-D16 System Memory](#)

Asus Z13PE-D16

[WS X299 SAGE System Memory](#)

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[Pro A620M-C-CSM System Memory](#)

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[PRIME H310M-A R1.0 System Memory](#)

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[H110M-P/DVI System Memory](#)

Asus H110M-P/DVI