

System Memory - Asus PRIME H510M-A R2.0 Manual

1

2

Table Of Contents

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34

--

•

[Table of Contents](#)

•

Bookmarks



1.4

System memory

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

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

A DDR4 memory module is notched differently from a DDR, DDR2, or DDR3 module. DO NOT install a DDR, DDR2, or DDR3 memory module to the DDR4 slot.

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

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Recommended memory configurations

DIMM_B

1-10

DIMM_A

DIMM_B

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.

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.

Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit <https://www.asus.com/support/>.

DIMM_A

Channel A

Channel B

DIMM_A

DIMM_B

Chapter 1: Product Introduction

DIMM_A

DIMM_B

[Table of Contents](#)

[Previous Page](#)
[Next Page](#)

1
...
17
18
19
20
21
22
23
24

Related Manuals for Asus PRIME H510M-A R2.0

[Motherboard Asus PRIME H510M-A R2.0 Quick Start Manual](#)

(2 pages)

[Motherboard Asus PRIME H570M-PLUS Manual](#)

(36 pages)

[Motherboard Asus PRIME H510M-A WIFI Quick Start Manual](#)

(2 pages)

[Motherboard Asus Prime H510M-A Manual](#)

(34 pages)

[Motherboard Asus Prime H510M User Manual](#)

(34 pages)

[Motherboard Asus PRIME H510M-A Quick Start Manual](#)

(2 pages)

[Motherboard Asus PRIME H510M-E Manual](#)

(32 pages)

[Motherboard Asus PRIME H510M-E Quick Start Manual](#)

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[Motherboard Asus PRIME H510M-R Manual](#)

(30 pages)

[Motherboard Asus PRIME H510M-F Quick Start Manual](#)

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[Motherboard Asus PRIME H510TS Manual](#)

(30 pages)

[Motherboard Asus PRIME H510T2-CSM R2.0 Manual](#)

(30 pages)

[Motherboard Asus H61M-K User Manual](#)

H61m-k user's manual (82 pages)

[Motherboard Asus H87-PRO User Manual](#)

H87-pro user's manual (140 pages)

[Motherboard Asus PRIME H410M-E Manual](#)

(28 pages)

[Motherboard Asus PRIME H310M-A R2.0 Manual](#)

(29 pages)

Related Content for Asus PRIME H510M-A R2.0

[ROG RAMPAGE V EDITION 10 System Memory](#)

Asus ROG RAMPAGE V EDITION 10

[Q170A-IM-A System Memory](#)

Asus Q170A-IM-A

[Z13PE-D16 System Memory](#)

Asus Z13PE-D16

[WS X299 SAGE System Memory](#)

Asus WS X299 SAGE

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

Asus Pro A620M-C-CSM

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

Asus PRIME H310M-A R1.0

[TUF GAMING B650-E WIFI System Memory](#)

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

Asus H110M-P/DVI