

System Memory - Asus PRIME H310M-E Manual

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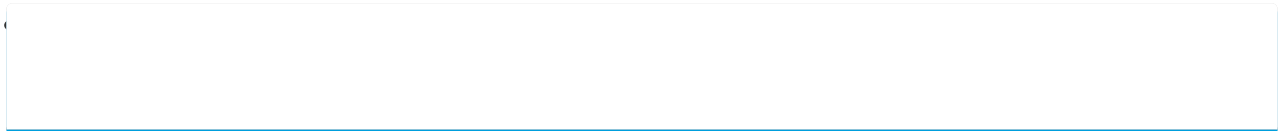
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System memory

Overview

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:

⋮

Recommended memory configuration

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1-8

DIMM_B1*

DIMM_A1*

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.

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® 8th Generation 6-core or higher processors; DDR4 2400MHz and higher memory modules will run at max. 2400MHz on Intel® 8th Generation 4-core processors.

Memory modules with memory frequency higher than 2133 MHz and its corresponding timing of 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 (2 DIMMs).

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

Channel A

Channel B

*

*

Chapter 1: Product introduction

DIMM_A1*

DIMM_B1*

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