

System Memory - Asus PRIME H610M-R Manual

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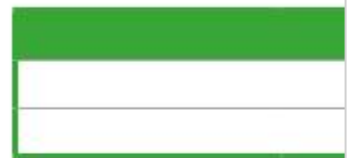
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System memory

This motherboard comes with two Double Data Rate 5 (DDR5) Dual Inline Memory Module

(DIMM) sockets. The figure illustrates the location of the DDR5 DIMM sockets:

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Recommended memory configurations

DIMM_B



1-10

DIMM_A

DIMM_B

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.

You may install 8 GB, 16 GB, 24 GB, 32 GB and 48 GB unbuffered and Non-ECC DDR5 DIMMs into the DIMM sockets.

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. Refer to www.asus.com for the latest Memory QVL (Qualified Vendors Lists), and memory frequency support depends on the CPU types.

DIMM_A

Channel A

Channel B

DIMM_A

DIMM_B

Chapter 1: Product Introduction

DIMM_A

DIMM_B

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