System Memory - Asus PRIME H610M-E Manual

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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:

A DDR5 memory module is notched differently from a DDR, DDR2, DDR3, or DDR4
module. DO NOT install a DDR, DDR2, DDR3, or DDR4 memory module to the DDR5 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.

- 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.
- 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/.

Recommended memory configurations

DIMM_A

PRIME H610M-E

DIMM_A
DIMM_B
DIMM_B

Channel A
Channel B
DIMM_A
DIMM_B

DIMM_A
DIMM_B
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Related Manuals for Asus PRIME H610M-E

[Motherboard Asus PRIME H610M-E Quick Start Manual](#)

(2 pages)

[Motherboard Asus PRIME H610M-E D4 Manual](#)

(34 pages)

[Motherboard Asus PRIME H610M-E D4 Quick Start Manual](#)

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[Motherboard Asus PRIME H610M-K D4 Manual](#)

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[Motherboard Asus PRIME H610M-A D4 Manual](#)

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[Motherboard Asus PRIME H610M-D D4 Manual](#)

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[Motherboard Asus Pro H610M-CT D4 Manual](#)

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(32 pages)

[Motherboard Asus PRIME H610M-C/PS D4 Manual](#)

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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](#)

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[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