

PROH610M-SDDR4II

MSI Pro H610M-S DDR4 II Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard

Product Overview

MSI Pro H610M-S DDR4 II Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard, Intel H610 Chipset, 2x DDR4 DIMM Memory slots, 1x HDMI, 1x PCI-e x16 slot, 1x PCI-e x1 slot, 1x PCI-e x1 slot, PCI_E1 Gen PCI-e 4.0 supports up to x16, PCI_E2 Gen PCI-e 3.0 supports up to x1, 7.1-channel High Definition Audio, 1x M.2 supports up to PCI-e 3.0 x4, 2x SATA 6G, USB 5Gbps Type-A, USB 2.0, Realtek RTL8111h Gigabit LAN, Audio connectors



Specifications

Overview Summary:

The MSI PRO H610M-S DDR4 II is a dependable Micro-ATX motherboard designed for Intel 12th, 13th and 14th Gen processors using the LGA1700 socket. With support for up to 64GB DDR4 memory, PCIe 4.0 graphics, M.2 NVMe storage and Gigabit LAN, it provides a solid platform for business, home and everyday desktop builds.

Whether you are building a new PC or upgrading an existing system, this motherboard delivers reliable performance and essential connectivity in a compact form factor. Buy now and shop now for a trusted MSI motherboard that offers excellent value for productivity and general computing in South Africa.

Performance tier:Entry-Level to Mid-Range

Uses:Office PCs, home computers, business desktops, everyday productivity, educational systems, entry-level content creation, general-purpose desktop builds

Overview:

The MSI PRO H610M-S DDR4 II is a compact Micro-ATX motherboard designed for reliable Intel desktop builds, offering broad processor compatibility, fast storage support, and essential connectivity for everyday computing, office systems, and entry-level performance PCs. Built with the Intel H610 chipset and LGA1700 socket, it supports Intel Core 12th, 13th, and 14th Gen processors, making it a practical choice for users building or upgrading a modern Intel-based computer.

Description:

The MSI PRO H610M-S DDR4 II motherboard provides a dependable foundation for productivity-focused and

budget-conscious PC builds. With support for DDR4 memory, PCIe 4.0 graphics expansion, NVMe SSD storage, Gigabit networking, and MSI reliability enhancements, this motherboard delivers the core technologies needed for smooth daily performance. The Micro-ATX design makes it suitable for smaller cases while still providing flexible expansion options.

Features:

Reliable Intel LGA1700 Platform for Modern PC Builds

Designed around the Intel H610 chipset, this MSI motherboard supports Intel Core processors from the 12th, 13th, and 14th generations, along with Intel Pentium Gold and Celeron processors. The LGA1700 socket provides compatibility with a wide range of CPUs, allowing system builders to create efficient workstations, home PCs, and general-purpose desktops.

The MSI PRO H610M-S DDR4 II uses a compact Micro-ATX layout, making it ideal for systems where space is limited without sacrificing essential features. The product part number for this model is PROH610M-SDDR4II.

Memory and Storage Support for Everyday Performance

This motherboard includes two DDR4 DIMM slots supporting up to 64GB of dual-channel memory. The DDR4 platform provides a balance of affordability, performance, and availability for modern desktop applications.

Storage options include an M.2 slot supporting PCIe 3.0 x4 NVMe SSDs, allowing faster boot times and improved application loading compared with traditional hard drives. Additional storage devices can be connected through SATA 6Gb/s ports.

Key storage and memory highlights include:

- 2x DDR4 DIMM slots supporting up to 64GB memory
- 1x M.2 slot supporting PCIe 3.0 x4 NVMe SSDs
- Supports M.2 2242, 2260, and 2280 form factors
- 2x SATA 6Gb/s connectors for additional drives

PCIe Expansion and Connectivity Options

The MSI PRO H610M-S DDR4 II includes a PCIe 4.0 x16 slot for dedicated graphics cards, providing high-speed bandwidth for GPU upgrades. The reinforced PCIe slot design improves durability when installing heavier graphics cards.

Expansion options include:

- 1x PCIe 4.0 x16 slot from the CPU
- 2x PCIe 3.0 x1 slots from the chipset
- HDMI 1.4 output supporting up to 4K 30Hz when used with compatible processors featuring integrated graphics
- VGA display output for supported integrated graphics processors

Enhanced Audio and Network Performance

For improved communication and entertainment, the motherboard features a Realtek ALC897 7.1-channel High Definition Audio codec. The integrated Realtek RTL8111H Gigabit LAN controller provides reliable wired networking for home, business, and gaming environments.

MSI AI LAN Manager helps prioritise network traffic, allowing users to optimise bandwidth for important applications such as video calls, gaming, and productivity software.

MSI Reliability and Easy System Management

MSI includes several technologies designed to improve stability and simplify system maintenance. Core Boost technology provides optimised CPU power delivery, while EZ Debug LEDs help identify hardware issues during startup.

Additional motherboard enhancements include:

- MSI Core Boost technology for stable processor power delivery

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Product Specification Sheet

- EZ Debug LEDs for easier troubleshooting
- TPM 2.0 header support for Windows 11 compatibility
- MSI Center software support for system monitoring and management

Technical Details

- Socket: LGA1700
- Chipset: Intel H610
- Form Factor: Micro-ATX
- Memory Type: DDR4
- Memory Slots: 2
- Maximum Memory Capacity: 64GB
- M.2 Slots: 1
- PCIe Support: PCIe 4.0 x16 and PCIe 3.0 x1
- LAN Controller: Realtek RTL8111H Gigabit LAN
- Audio: Realtek ALC897 7.1-channel High Definition Audio
- Rear USB Ports: 4x USB 2.0 Type-A, 2x USB 3.2 Gen 1 5Gbps Type-A
- Colour: Black/Silver
- Product Dimensions: 23.6 x 20 cm

Included Accessories

The MSI PRO H610M-S DDR4 II package includes the essential items needed for installation:

- MSI PRO H610M-S DDR4 II LGA1700 Micro-ATX motherboard
- SATA cable
- I/O shield
- M.2 screw and standoff set
- Quick start guide

Specifications:

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Specifications	
Product Code	PROH610M-SDDR4II
Chipset	INTEL H610
CPU	Support Intel Core 14th/ 13th/ 12th Gen Processors, Intel Pentium Gold and Celeron Processors
	LGA 1700
Memory	2x DDR4, Maximum Memory Capacity 64GB
	Memory Support DDR4 1866 / 2133 / 2400 / 2667 / 2800 / 2933 / 3000 / 3066 / 3200 MHz by JEDEC
	Supports Dual-Channel mode
	Supports non-ECC, un-buffered memory

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Product Specification Sheet

Onboard Graphics	1x HDMI
	Support HDMI 1.4 with HDR, maximum resolution of 4K 30Hz
	*Available only on processors featuring integrated graphics. Graphics specifications may vary depending on the CPU installed.
Slot	1x PCI-E x16 slot
	1x PCI-E x1 slot
	PCI_E1 Gen PCIe 4.0 supports up to x16 (From CPU)
	PCI_E2 Gen PCIe 3.0 supports up to x1 (From Chipset)
Audio	Realtek ALC897 Codec
	7.1-Channel High Definition Audio
Storage	1x M.2
	M.2_1 Source (From Chipset) supports up to PCIe 3.0 x4 , supports 2280/2260/2242 devices
	2x SATA 6G
USB	4x USB 2.0 (Rear)
	4x USB 2.0 (Front)
	2x USB 5Gbps Type A (Rear)
	2x USB 5Gbps Type A (Front)
LAN	Realtek RTL8111H Gigabit LAN
Internal IO	1x Power Connector(ATX_PWR)
	1x Power Connector(CPU_PWR)
	1x CPU Fan
	1x System Fan
	2x Front Panel (JFP)
	1x Chassis Intrusion (JCI)
	1x Front Audio (JAUD)
	1x TPM pin header(Support TPM 2.0)
	4x USB 2.0 ports
	2x USB 5Gbps Type A ports
LED FEATURE	4x EZ Debug LED
BACK PANEL PORTS	HDMI
	USB 2.0
	USB 5Gbps Type-A
	LAN port
	Audio Connectors
	USB 2.0
OPERATING SYSTEM	Support for Windows 11 64-bit, Windows 10 64-bit

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Product Specification Sheet

PCB Info	mATX
	200mmx236.16mm

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx.co.za/PROH610M-SDDR4II-MSI-Pro-H610M-S-DDR4-II-Intel-12th-13th-14th-Gen-Socket-LGA-1700-p-339715.php>

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