

# MSI MAG B550 TOMAHAWK - motherboard - ATX - Socket AM4 - AMD B550



08-07-2025

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| SKU                    | MAG B550 TOMAHAWK                                                                   |
| Product Description:   | MSI MAG B550 TOMAHAWK - motherboard - ATX - Socket AM4 - AMD B550                   |
| Product Type:          | Motherboard - ATX                                                                   |
| Chipset Type:          | AMD B550                                                                            |
| Processor Socket:      | 1 x Socket AM4                                                                      |
| Compatible Processors: | Ryzen (supports 3rd Generation Ryzen and New Generation Ryzen with Radeon Graphics) |
| Max RAM Size:          | 128 GB                                                                              |
| RAM Supported:         | 4 DIMM slots - DDR4, non-ECC, ECC (operate in non-ECC mode), unbuffered             |

## General

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Product Type:          | Motherboard - ATX                                                                   |
| Chipset Type:          | AMD B550                                                                            |
| Processor Socket:      | Socket AM4                                                                          |
| Max Processors Qty:    | 1                                                                                   |
| Compatible Processors: | Ryzen (supports 3rd Generation Ryzen and New Generation Ryzen with Radeon Graphics) |

## Miscellaneous

|                       |                      |
|-----------------------|----------------------|
| Included Accessories: | Case badge           |
| Cables Included:      | 2 x Serial ATA cable |
| Software Included:    | Drivers & Utilities  |
| Width:                | 30.5 cm              |
| Depth:                | 24.4 cm              |

## Features

|                    |                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware Features: | AMD CrossFireX technology support, MSI Audio Boost, MSI Mystic Light, M.2 Shield FROZR, pre-mounted I/O shield, MSI Core Boost, MSI PCIe Steel Slot, 10+2+1 Phase Power Design |
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## Supported RAM

|             |                                                                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max Size:   | 128 GB                                                                                                                                                                                                                                                                                                                                                  |
| Technology: | DDR4                                                                                                                                                                                                                                                                                                                                                    |
| Bus Clock:  | 2400 MHz, 1866 MHz, 2133 MHz, 2800 MHz, 3000 MHz, 2666 MHz, 2933 MHz, 3466 MHz (O.C.), 3733 MHz (O.C.), 3600 MHz (O.C.), 3866 MHz (O.C.), 4000 MHz (O.C.), 4133 MHz (O.C.), 4400 MHz (O.C.), 4266 MHz (O.C.), 4600 MHz (O.C.), 4533 MHz (O.C.), 4800 MHz (O.C.), 3200 MHz, 3066 MHz, 4733 MHz (O.C.), 4866 MHz (O.C.), 5000 MHz (O.C.), 5100 MHz (O.C.) |

## Expansion / Connectivity

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion Slots:    | 1 x CPU ! 4 x DIMM 288-pin ! 1 x PCIe 4.0 x16 ! 1 x PCIe 3.0 x16 (x4 mode) ! 2 x PCIe 3.0 x1                                                                                         |
| Storage Interfaces: | SATA-600 -connectors: 6 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ! SATA-600 / PCIe 4.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 ! PCIe 3.0 -connectors: 1 x M.2 - RAID 0 / RAID 1 |

## Supported RAM

|                                |                                        |
|--------------------------------|----------------------------------------|
| Supported RAM Integrity Check: | Non-ECC, ECC (operate in non-ECC mode) |
|--------------------------------|----------------------------------------|

|                         |            |
|-------------------------|------------|
| Registered or Buffered: | Unbuffered |
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|           |                                                                                                |
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| Features: | Dual channel memory architecture, supported ECC modules operate in non-ECC mode, A-XMP support |
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## Expansion / Connectivity

1 x LAN (Gigabit Ethernet) | 1 x audio line-in - mini-jack | 1 x audio line-out - mini-jack | 1 x microphone - mini-jack | 1 x TOSLINK | 2 x USB 3.2 Gen 1 | 1 x USB 3.2 Gen 2 | 1 x audio line-out (center/subwoofer) - mini-jack | 1 x audio line-out (rear) - mini-jack | 1 x USB-C Gen2 | 1 x PS/2 keyboard / mouse | 2 x USB 2.0 | 1 x HDMI | 1 x DisplayPort | 1 x LAN (2.5Gigabit Ethernet)

### Interfaces:

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
| Internal Interfaces: | 4 x USB 2.0 - header   2 x USB 3.2 Gen 1 - header   1 x USB-C Gen 1 - header   1 x audio - header |
|----------------------|---------------------------------------------------------------------------------------------------|

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| Power Connectors: | 24-pin main power connector, 8-pin ATX12V connector |
|-------------------|-----------------------------------------------------|

## LAN

|                     |                             |
|---------------------|-----------------------------|
| Network Controller: | Realtek RTL8125B / RTL8111H |
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| Network Interfaces: | Gigabit Ethernet, 2.5 Gigabit Ethernet |
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## Audio

|       |                      |
|-------|----------------------|
| Type: | HD Audio (8-channel) |
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|              |                 |
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| Audio Codec: | Realtek ALC1200 |
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| Compliant Standards: | High Definition Audio |
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