



# Z590 Wifi Gundam Edition Specifications Summary - Asus Z590 WIFI Manual

Gundam edition



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## Bookmarks







## Z590 WIFI GUNDAM EDITION specifications summary

Memory Slots	
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vi  
Intel  
®  
Socket LGA1200 for 11  
®

Intel

Core™, Pentium

Supports Intel

®

14 nm CPU

®

Supports Intel

Turbo Boost Technology 2.0 and Intel  
Technology 3.0\*\*

\* Refer to [www.asus.com](http://www.asus.com) for CPU support list.

®

\*\* Intel

Turbo Boost Max Technology 3.0 support depends on the CPU types.

®

Intel

Z590 Chipset

4 x DIMM, Max. 128GB, DDR4 5133(OC)/5000(OC)/4800(OC)/4700(OC)/  
4600(OC)/4500(OC)/4400(OC) /4266(OC)/4133(OC)/4000(OC)/  
3866(OC)/3733(OC)/3600(OC)/3466(OC)/3400(OC)/3333(OC)/3200/  
3000/2933/2800/2666/2400/2133 MHz Non-ECC, Un-buffered Memory\*

Dual Channel Memory Architecture

Supports Intel

®

Extreme Memory Profile (XMP)

OptiMem II

\* 10

th

Gen Intel

®

Core

™

i7/ i9 processors support 2933/2800/2666/2400/2133

natively, others will run at the maximum transfer rate of DDR4 2666MHz.

\* 11

th

Gen Intel

®

processors support 3200/2933/2800/2666/2400/2133 natively.

\* Refer to [www.asus.com](http://www.asus.com) for the Memory QVL (Qualified Vendors Lists), and  
memory frequency support depends on the CPU types.

1 x DisplayPort 1.4\*\*

1 x HDMI

™

2.0\*\*\*

\*

Graphics specifications may vary between CPU types.

\*\* Intel

®

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& 10

th

Gen processors support DisplayPort 1.4 with max. resolution of 4096 x 2304 @60Hz. Please refer to [www.intel.com](http://www.intel.com) for any updates.

\*\*\* Only Intel

®

11

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Gen processors, support HDMI™ 2.0 with max. resolution of 4K@60Hz, others would only support HDMI™ 1.4 with max. resolution of 4K@30Hz. Please refer to [www.intel.com](http://www.intel.com) for any update.

\*\*\*\* VGA resolution support depends on processors' or graphic cards' resolution.

Intel

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Gen Processors

1 x PCIe 4.0/3.0 x16 slot\*

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- Intel

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Gen processors support PCIe 4.0 x16

- Intel

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Gen processors support PCIe 3.0 x16

Intel

®

Z590 Chipset

1 x PCIe 3.0 x16 slot (supports x4 mode)

2 x PCIe 3.0 x1 slots

\* Supports PCIe bandwidth bifurcation for RAID on CPU function.

\* Enable RST PCIe Storage Remapping for PCH attached PCIe slots to activate

Intel

®

Optane Memory.

Total supports 3 x M.2 slots and 6 x SATA 6Gb/s ports

Intel

®

11

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Gen Processors

M.2\_1 slot (Key M), type 2242/2260/2280/22110

- Only Intel

®

11

th

Gen processors support PCIe 4.0 x4 mode, this slot

will be disabled for other CPUs

®

Intel

Z590 Chipset

M.2\_2 slot (Key M), type 2242/2260/2280/22110

(supports PCIe 3.0 x4 & SATA modes)\*\*\*

M.2\_3 slot (Key M), type 2242/2260/2280

(supports PCIe 3.0 x4 & SATA modes)\*\*\*\*

6 x SATA 6Gb/s ports

(continued on the next page)

th

Gen Intel

®

Core™ processors & 10

®

®

Gold and Celeron

Processors

th

Gen

®

Turbo Boost Max

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(68 pages)

[Motherboard Asus ROG STRIX Z590-E GAMING Series Manual](#)

(88 pages)



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(68 pages)

[Motherboard Asus PRIME Z590-V Manual](#)

(66 pages)

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Asus PRIME H610M-4 WIFI

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Asus RAMPAGE V EDITION 10

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Asus PRIME Z590-P

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Asus TUF GAMING B760M-PLUS WIFI

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Asus TUF GAMING B560M-PLUS WIFI