

## GIGABYTE Z590 UD AC motherboard Intel Z590 LGA 1200 (Socket H5) ATX

**Brand :** GIGABYTE

**Product code:** Z590 UD AC

**Product name :** Z590 UD AC

- Supports 11th and 10th Gen Intel Core Series Processors
  - Dual Channel Non-ECC Unbuffered DDR4, 4 DIMMs
  - Direct 12+1 Phases Digital VRM Solution with 50A DrMOS
  - Shielded Memory Routing for Better Memory Overclocking
  - Enlarged VRM Heatsink with Air-Flow Grooving to Increased Surface Contact
  - Fast 2.5GbE LAN with Bandwidth Management
  - Onboard Intel 802.11ac Wireless & BT with High-Gain Antenna
  - Triple Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2 with Thermal Guard
  - USB 3.2 Gen2 and Front USB Type-C for Fast and Versatile Connections
  - Pre-installed IO Shield for Easy and Quick Installation
  - RGB FUSION 2.0 with Multi-Zone Addressable LED Light Show Design, Support Addressable LED & RGB LED Strips
  - Smart Fan 6 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
  - Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card
- LGA 1200, Intel Z590, 4x DDR4, DP, 2.5G LAN, Wi-Fi, Bluetooth, USB, ATX



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	Intel	PS/2 ports quantity	1
Processor socket *	LGA 1200 (Socket H5)	DisplayPorts quantity	1
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®	WiFi-AP antenna jack	2
Maximum number of SMP processors	1	<b>Network</b>	
<b>Memory</b>		Ethernet LAN	✓
Supported memory types *	DDR4-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 5 (802.11ac)
Memory channels	Dual-channel	Wi-Fi standards	Wi-Fi 5 (802.11ac)
ECC compatibility	ECC & Non-ECC	Bluetooth	✓
Supported memory clock speeds	2933,3000,3200 MHz	<b>Features</b>	
Maximum internal memory *	128 GB	Motherboard chipset *	Intel Z590
Unbuffered memory	✓	Component for *	PC
<b>Storage controllers</b>		Motherboard form factor *	ATX
Supported storage drive types	HDD & SSD	Motherboard chipset family *	Intel
Supported storage drive interfaces *	SATA III	<b>Expansion slots</b>	
<b>Rear panel I/O ports</b>		Number of M.2 (M) slots	3
USB 2.0 ports quantity *	2	<b>BIOS</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	BIOS type *	UEFI AMI
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	<b>Logistics data</b>	
Ethernet LAN (RJ-45) ports *	1	Harmonized System (HS) code	84733020
<b>Weight &amp; dimensions</b>		<b>Weight &amp; dimensions</b>	
<b>Packaging content</b>		Width	305 mm
Cables included	SATA	Depth	244 mm
Drivers included	✓	<b>Packaging content</b>	



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