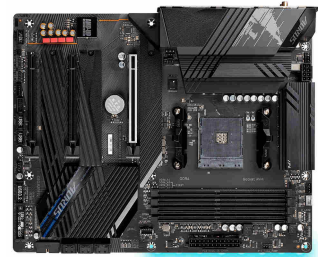**GIGABYTE**

# GIGABYTE X570S AORUS ELITE AX motherboard AMD X570 Socket AM4 ATX

**Brand :** GIGABYTE    **Product code:** X570S AORUS ELITE AX

**Product name :** X570S AORUS ELITE AX

- Supports AMD Ryzen™ 5000 Series/ Ryzen™ 5000 G-Series/ Ryzen™ 4000 G-Series/ Ryzen™ 3000 Series/ Ryzen™ 3000 G-Series/ Ryzen™ 2000 Series/ Ryzen™ 2000 G-Series Processors
- Dual Channel ECC/ Non-ECC Unbuffered DDR4, 4 DIMMs
- Twin 12+2 Phases Digital VRM Solution with 60A DrMOS
- Fully Covered Thermal Design with High Coverage MOSFET Heatsinks
- AMD WiFi 6E 802.11ax & BT 5.2
- Triple Ultra-Fast NVMe PCIe 4.0/3.0 x4 M.2 with Thermal Guards
- Fast 2.5GbE LAN with Bandwidth Management
- SuperSpeed USB 3.2 Gen 2x2 TYPE-C® delivers up to 20Gb/s transfer speeds
- AMP-UP Audio with ALC1220-VB and WIMA Audio Capacitors
- Smart Fan 6 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
ATX, AMD X570 chipset, Socket AM4, 4xDDR4 DIMM slots, 7.1ch audio, 2.5-Gigabit LAN, Wi-Fi 6, Bluetooth, AMI UEFI BIOS

## Processor

| | |
|---|---|
| Processor manufacturer * | AMD |
| Processor socket * | Socket AM4 |
| Compatible processor series * | AMD Ryzen 3000 Series, AMD Ryzen 5000 Series |
| Supported processor sockets | Socket AM4 |

**Memory**

| | |
|---|---|
| Supported memory types * | DDR4-SDRAM |
| Number of memory slots * | 4 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | ECC & Non-ECC |
| Supported memory clock speeds | 2133,2400,2667,2933,3200,3300,3333,3400,3466,3600,3733,3800,3866,4000,4133,4266,4300,4400,4600,4866,5000,5100,5200,5400 MHz |
| Maximum internal memory * | 128 GB |
| Unbuffered memory | ✓ |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, PCI Express 3.0, PCI Express 4.0, SATA III |
| Number of storage drives supported | 9 |
| RAID support | ✓ |
| RAID levels | 0, 1, 10 |

## Graphics

| | |
|---|---|
| Parallel processing technology support * | 2-Way CrossFireX, Quad-GPU CrossFireX |
| Maximum resolution | 4096 x 2160 pixels |
| HDCP | ✓ |

## Internal I/O

| | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 2 |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors * | 1 |
| Number of SATA III connectors * | 6 |
| Front panel audio connector | ✓ |
| Front panel connector | ✓ |
| ATX Power connector (24-pin) | ✓ |
| CPU fan connector | ✓ |

## Rear panel I/O ports

| | |
|---|---|
| USB 3.2 Gen 2x2 Type-C ports quantity | 1 |
| Ethernet LAN (RJ-45) ports * | 1 |
| HDMI ports quantity * | 1 |
| Headphone outputs | 1 |
| Microphone in | ✓ |
| S/PDIF out port | ✓ |
| WiFi-AP antenna jack | 2 |
| USB connector type | USB Type-A, USB Type-C |

## Network

| | |
|---|---|
| Ethernet LAN | ✓ |
| Ethernet interface type | 2.5 Gigabit Ethernet |
| Wi-Fi * | ✓ |
| Top Wi-Fi standard | Wi-Fi 6 (802.11ax) |
| WLAN controller model | Intel Wi-Fi 6 AX200 |
| Bluetooth | ✓ |
| Bluetooth version | 5.2 |

## Features

| | |
|---|---|
| Motherboard chipset * | AMD X570 |
| Audio chip | Realtek ALC1220-VB |
| Audio output channels * | 7.1 channels |
| PC health monitoring | Fan, Temperature, Voltage |
| Component for * | PC |
| Motherboard form factor * | ATX |
| Motherboard chipset family * | AMD |
| Windows operating systems supported | Windows 10 x64 |

## Expansion slots

| | |
|---|---|
| PCI Express x16 slots | 3 |
| Number of M.2 (M) slots | 3 |

## Internal I/O

| | |
|---|---|
| Number of chassis fan connectors | 3 |
| EPS power connector (8-pin) | ✔ |
| TPM connector | ✔ |
| Thunderbolt headers | 1 |
| 12V power connector | ✔ |
| RGB LED pin header | ✔ |

### Rear panel I/O ports

| | |
|---|---|
| USB 2.0 ports quantity * | 4 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 3 |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 256 Mbit |
| ACPI version | 5.0 |
| Clear CMOS jumper | ✔ |
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 84733020 |

## Weight & dimensions

| | |
|---|---|
| Width | 305 mm |
| Depth | 244 mm |
| Height | 80 mm |

## Packaging content

| | |
|---|---|
| Cables included | SATA |
| Drivers included | ✔ |
| Bundled software | Norton® Internet Security (OEM version), Realtek® 8125 Gaming LAN Bandwidth Control Utility |

## Other features

| | |
|---|---|
| Weight | 1 kg |

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