

## GIGABYTE A520M DS3H WIFI6E Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, up to 4733MHz DDR4 (OC), 1xPCIe 3.0 M.2, WIFI 6E, GbE LAN, USB 3.2 Gen 1

**Brand :** GIGABYTE

**Product code:** A520M DS3H WF6E

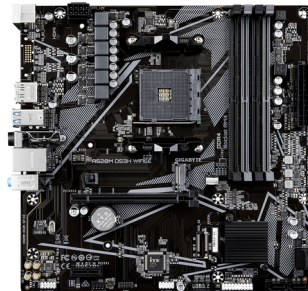
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| Processor                                |                                                                                 | Network                             |                                                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                 | AMD                                                                             | Ethernet interface type             | Gigabit Ethernet, Fast Ethernet                                                                           |
| Processor socket *                       | Socket AM4                                                                      | LAN controller                      | Realtek RTL8111H                                                                                          |
| Compatible processor series *            | AMD Ryzen 3000 Series, AMD Ryzen 5000 Series, AMD Ryzen 4000 Series             | Wi-Fi *                             | ✓                                                                                                         |
| Supported processor sockets              | Socket AM4                                                                      | Top Wi-Fi standard                  | Wi-Fi 6E (802.11ax)                                                                                       |
| Memory                                   |                                                                                 | Wi-Fi standards                     | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax) |
| Supported memory types *                 | DDR4-SDRAM                                                                      | WLAN controller model               | MediaTek MT7902                                                                                           |
| Number of memory slots *                 | 4                                                                               | Bluetooth                           | ✓                                                                                                         |
| Memory slots type                        | DIMM                                                                            | Bluetooth version                   | 5.3                                                                                                       |
| Memory channels                          | Dual-channel                                                                    | Features                            |                                                                                                           |
| ECC compatibility                        | ECC & Non-ECC                                                                   | Motherboard chipset *               | AMD A520                                                                                                  |
| Supported memory clock speeds MHz        | 2133,2400,2667,2933,3200,3600,4000,4400,4733,3400,3466,3733,3866,4133,4266,4600 | Audio chip                          | Realtek ALC897                                                                                            |
| Supported memory clock speed (max)       | 4733 MHz                                                                        | Audio output channels *             | 7.1 channels                                                                                              |
| Maximum internal memory *                | 128 GB                                                                          | Product colour                      | Dark brown                                                                                                |
| Unbuffered memory                        | ✓                                                                               | PC health monitoring                | Temperature, Voltage, Fan                                                                                 |
| Maximum internal memory per slot         | 32 GB                                                                           | Component for *                     | PC                                                                                                        |
| Storage controllers                      |                                                                                 | Motherboard form factor *           | micro ATX                                                                                                 |
| Supported storage drive types            | HDD & SSD                                                                       | Motherboard chipset family *        | AMD                                                                                                       |
| Supported storage drive interfaces *     | M.2, SATA III                                                                   | Cooling type                        | Passive                                                                                                   |
| Number of HDDs supported                 | 4                                                                               | Power source type                   | ATX                                                                                                       |
| Number of storage drives supported       | 5                                                                               | Windows operating systems supported | Windows 10 x64, Windows 11 x64                                                                            |
| RAID support                             | ✓                                                                               | Expansion slots                     |                                                                                                           |
| RAID levels                              | 0, 1, 10                                                                        | PCI Express x1 (Gen 3.x) slots      | 1                                                                                                         |
| Graphics                                 |                                                                                 | PCI Express x16 (Gen 3.x) slots     | 1                                                                                                         |
| Parallel processing technology support * | Not supported                                                                   | Number of M.2 (M) slots             | 1                                                                                                         |
| Maximum resolution                       | 5120 x 2880 pixels                                                              | 1st M.2 largest key size            | 2280                                                                                                      |
| HDCP                                     | ✓                                                                               |                                     |                                                                                                           |
| HDCP version                             | 2.3                                                                             |                                     |                                                                                                           |
| DirectX version                          | 12.0                                                                            |                                     |                                                                                                           |

| Internal I/O                                      |     | Expansion slots                            |                                         |
|---------------------------------------------------|-----|--------------------------------------------|-----------------------------------------|
| USB 2.0 connectors *                              | 1   | 1st M.2 highest PCI Express generation     | 3.0                                     |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1   | BIOS                                       |                                         |
| Number of SATA III connectors *                   | 4   | BIOS type *                                | UEFI AMI                                |
| Front panel audio connector                       | ✓   | BIOS memory size                           | 128 Mbit                                |
| Front panel connector                             | ✓   | ACPI version                               | 5.0                                     |
| ATX Power connector (24-pin)                      | ✓   | Clear CMOS jumper                          | ✓                                       |
| CPU fan connector                                 | ✓   | Desktop Management Interface (DMI) version | 2.7                                     |
| Number of CPU fan connectors                      | 1   | System Management BIOS (SMBIOS) version    | 2.7                                     |
| Number of chassis fan connectors                  | 1   | Logistics data                             |                                         |
| EPS power connector (8-pin)                       | ✓   | Country of origin                          | China                                   |
| Number of EPS power connectors (8-pin)            | 1   | Products per shipping (inner) case         | 1 pc(s)                                 |
| TPM connector                                     | ✓   | Battery                                    |                                         |
| 12V power connector                               | ✓   | Battery weight                             | 3 g                                     |
| Rear panel I/O ports                              |     | Lithium weight per battery                 | 0.07 g                                  |
| USB 2.0 ports quantity *                          | 4   | Number of battery cells                    | 1                                       |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4   | Battery capacity                           | 220 mAh                                 |
| Ethernet LAN (RJ-45) ports *                      | 1   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)      |
| PS/2 ports quantity                               | 1   | Battery type                               | CR2032                                  |
| HDMI ports quantity *                             | 1   | Packaging data                             |                                         |
| HDMI version                                      | 2.1 | Package width                              | 270 mm                                  |
| DisplayPorts quantity                             | 1   | Package depth                              | 268 mm                                  |
| DisplayPort version                               | 1.4 | Package height                             | 68 mm                                   |
| Headphone outputs                                 | 1   | Package weight                             | 972 g                                   |
| Line-in                                           | ✓   | Weight & dimensions                        |                                         |
| Microphone in                                     | ✓   | Width                                      | 244 mm                                  |
| WiFi-AP antenna jack                              | 2   | Depth                                      | 244 mm                                  |
| Network                                           |     | Height                                     | 35 mm                                   |
| Ethernet LAN                                      | ✓   | Packaging content                          |                                         |
|                                                   |     | Batteries included                         | ✓                                       |
|                                                   |     | Antenna included                           | ✓                                       |
|                                                   |     | Screws included                            | ✓                                       |
|                                                   |     | Drivers included                           | ✓                                       |
|                                                   |     | Bundled software                           | Norton® Internet Security (OEM version) |
|                                                   |     | Other features                             |                                         |
|                                                   |     | Weight                                     | 880 g                                   |
|                                                   |     | Technical details                          |                                         |
|                                                   |     | Warranty period                            | 3 year(s)                               |



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## Catalog Object Cloud



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