

## GIGABYTE B850I AORUS PRO carte mère AMD B850 Emplacement AM5 mini ITX

**Marque :** GIGABYTE

**Code produit:** B850I AORUS PRO

**Nom du produit :** B850I AORUS PRO Carte Mère -  
Processeurs AMD Ryzen Série 9000, VRM numérique 8+2+1  
phases, jusqu'à 8400MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0  
M.2, 2.5LAN, WIFI 7, USB 3.2 Gen 2

- VRM numérique 8+2+1 avec étape d'alimentation intelligente de 80A
- Canal double DDR5 : 2\*DIMMs
- PCIe Gen5 x16 avec emplacement PCIe UD X & EZ-Latch Plus
- M.2 Gen5 avec EZ-Latch Plus
- Dissipateurs thermiques MOSFET entièrement couverts
- Wi-Fi 7 avec WIFI EZ-Plug & antenne directionnelle
- LAN 2.5GbE, Q-Flash Plus

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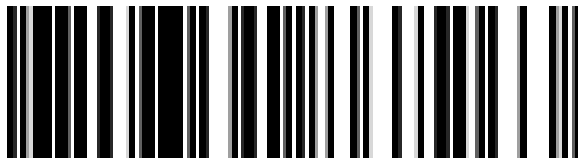
**GIGABYTE B850I AORUS PRO carte mère AMD B850 Emplacement AM5 mini ITX:**

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| Processor                                                                                                                                                                                                                                                                                       |                                                                     | Rear panel I/O ports                |                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Processor manufacturer *                                                                                                                                                                                                                                                                        | AMD                                                                 | HDMI version                        | 2.1                                                                                                                           |
| Processor socket *                                                                                                                                                                                                                                                                              | Socket AM5                                                          | DisplayPorts quantity               | 1                                                                                                                             |
| Compatible processor series *                                                                                                                                                                                                                                                                   | AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series | DisplayPort version                 | 2.1                                                                                                                           |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Headphone outputs                   | 1                                                                                                                             |
| Supported processor sockets                                                                                                                                                                                                                                                                     | Socket AM5                                                          | Microphone in                       | ✓                                                                                                                             |
| <b>Memory</b><br>Supported memory types *<br>Number of memory slots *<br>Memory slots type<br>Memory channels<br>ECC compatibility<br>Supported memory clock speeds<br>Supported memory clock speed (max)<br>Maximum internal memory *<br>Unbuffered memory<br>Maximum internal memory per slot |                                                                     | WiFi-AP antenna jack                | 2                                                                                                                             |
|                                                                                                                                                                                                                                                                                                 |                                                                     | <b>Network</b>                      |                                                                                                                               |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Ethernet LAN                        | ✓                                                                                                                             |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Ethernet interface type             | Gigabit Ethernet                                                                                                              |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Wi-Fi *                             | ✓                                                                                                                             |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Top Wi-Fi standard                  | Wi-Fi 7 (802.11be)                                                                                                            |
|                                                                                                                                                                                                                                                                                                 |                                                                     | 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), Wi-Fi 7 (802.11be) |
|                                                                                                                                                                                                                                                                                                 |                                                                     |                                     | Realtek RTL8922AE                                                                                                             |
|                                                                                                                                                                                                                                                                                                 |                                                                     | WLAN controller model               |                                                                                                                               |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Bluetooth                           | ✓                                                                                                                             |
| <b>Storage controllers</b>                                                                                                                                                                                                                                                                      |                                                                     | Bluetooth version                   | 5.4                                                                                                                           |
|                                                                                                                                                                                                                                                                                                 |                                                                     | <b>Features</b>                     |                                                                                                                               |
| Supported storage drive types                                                                                                                                                                                                                                                                   | HDD & SSD                                                           | Motherboard chipset *               | AMD B850                                                                                                                      |
| Supported storage drive interfaces *                                                                                                                                                                                                                                                            | M.2, SATA III                                                       | Audio output channels *             | 7.1 channels                                                                                                                  |
| Number of HDDs supported                                                                                                                                                                                                                                                                        | 2                                                                   | Product colour                      | Black, Brown                                                                                                                  |
| Number of storage drives supported                                                                                                                                                                                                                                                              | 4                                                                   | PC health monitoring                | Fan, Temperature, Voltage, Water cooling                                                                                      |
| RAID support                                                                                                                                                                                                                                                                                    | ✓                                                                   | Component for *                     | PC                                                                                                                            |
| RAID levels                                                                                                                                                                                                                                                                                     | 0, 1, 10                                                            | Motherboard form factor *           | mini ITX                                                                                                                      |
| <b>Graphics</b>                                                                                                                                                                                                                                                                                 |                                                                     | Motherboard chipset family *        | AMD                                                                                                                           |
|                                                                                                                                                                                                                                                                                                 |                                                                     | Windows operating systems supported | Windows 11 x64                                                                                                                |
|                                                                                                                                                                                                                                                                                                 |                                                                     |                                     |                                                                                                                               |
| Parallel processing technology support *                                                                                                                                                                                                                                                        | Not supported                                                       |                                     |                                                                                                                               |
| On-board graphics card                                                                                                                                                                                                                                                                          | ✗                                                                   |                                     |                                                                                                                               |
| Maximum resolution                                                                                                                                                                                                                                                                              | 4096 x 2160 pixels                                                  |                                     |                                                                                                                               |
| HDCP                                                                                                                                                                                                                                                                                            | ✓                                                                   |                                     |                                                                                                                               |
| DirectX version                                                                                                                                                                                                                                                                                 | 12.0                                                                |                                     |                                                                                                                               |

| Internal I/O                                      |   | Expansion slots                            |                                                                          |
|---------------------------------------------------|---|--------------------------------------------|--------------------------------------------------------------------------|
| USB 2.0 connectors *                              | 1 | PCI Express x16 (Gen 5.x) slots            | 1                                                                        |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1 | Number of M.2 (M) slots                    | 2                                                                        |
| USB 3.2 Gen 2 (3.1 Gen 2) connectors *            | 1 | 1st M.2 largest key size                   | 2280                                                                     |
| Number of SATA III connectors *                   | 2 | 1st M.2 highest PCI Express generation     | 5.0                                                                      |
| Total number of SATA connectors                   | 2 | 2nd M.2 largest key size                   | 2280                                                                     |
| Front panel audio connector                       | ✓ | 2nd M.2 highest PCI Express generation     | 4.0                                                                      |
| Front panel connector                             | ✓ | BIOS                                       |                                                                          |
| ATX Power connector (24-pin)                      | ✓ | BIOS type *                                | UEFI AMI                                                                 |
| CPU fan connector                                 | ✓ | BIOS memory size                           | 256 Mbit                                                                 |
| Number of CPU fan connectors                      | 2 | ACPI version                               | 5.0                                                                      |
| EPS power connector (8-pin)                       | ✓ | Clear CMOS jumper                          | ✓                                                                        |
| Number of EPS power connectors (8-pin)            | 1 | Clear CMOS button                          | ✓                                                                        |
| 12V power connector                               | ✓ | Desktop Management Interface (DMI) version | 2.7                                                                      |
| Number of water pump connectors                   | 1 | System Management BIOS (SMBIOS) version    | 2.7                                                                      |
| RGB LED pin header                                | ✓ | Logistics data                             |                                                                          |
| Number of RGB LED pin headers                     | 4 | Country of origin                          | China                                                                    |
| Rear panel I/O ports                              |   | Products per shipping (inner) case         | 1 pc(s)                                                                  |
| USB 2.0 ports quantity *                          | 2 | Battery                                    |                                                                          |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Battery weight                             | 3 g                                                                      |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity * | 2 | Lithium weight per battery                 | 0.07 g                                                                   |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity * | 1 | Number of battery cells                    | 1                                                                        |
| Ethernet LAN (RJ-45) ports *                      | 1 | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                       |
| HDMI ports quantity *                             | 1 | Battery type                               | CR2032                                                                   |
|                                                   |   | Weight & dimensions                        |                                                                          |
|                                                   |   | Width                                      | 170 mm                                                                   |
|                                                   |   | Depth                                      | 170 mm                                                                   |
|                                                   |   | Height                                     | 35 mm                                                                    |
|                                                   |   | Packaging content                          |                                                                          |
|                                                   |   | Batteries included                         | ✓                                                                        |
|                                                   |   | Antenna included                           | ✓                                                                        |
|                                                   |   | Screws included                            | ✓                                                                        |
|                                                   |   | Bundled software                           | Norton Internet Security (OEM version) LAN bandwidth management software |
|                                                   |   | Other features                             |                                                                          |
|                                                   |   | Weight                                     | 1.3 kg                                                                   |
|                                                   |   | Technical details                          |                                                                          |
|                                                   |   | Warranty period                            | 3 year(s)                                                                |



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