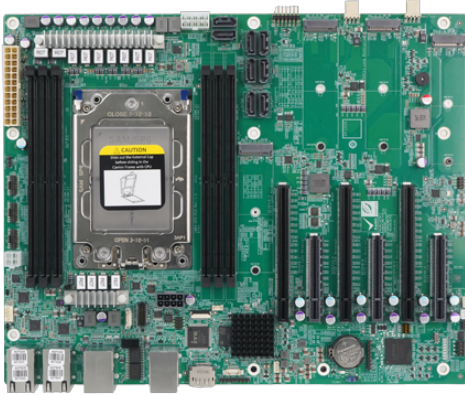


# IMBAX-SP6

Server grade ATX motherboard, supports AMD SP6 Siena 8-64 cores, 70W-225W TDP ,DDR5, 4 x 2.5GbE LAN, 4 x M.2 slot, RoHS



## Features

- » ATX motherboard supports AMD SP6 Siena 8-64 cores
- » 6 x 96GB 288-pin 4800MHz DDR5 RDIMM with ECC, up to 576GB total
- » Support 4 x 2.5GbE LAN
- » Support 1 x PCIe Gen5 x16 slot, 2 x PCIe Gen4 x16 slot, 3 x PCIe Gen4 x8 slot
- » 4 x M.2 M key expansion

## Specifications

| Form Factor                 |                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor                 | ATX Motherboard                                                                                                                     |
| System                      |                                                                                                                                     |
| CPU                         | AMD EPYC™ SP6 Siena 8-64 cores                                                                                                      |
| Memory                      | 6 x 96GB 288-pin 4800MHz DDR5 RDIMM with ECC                                                                                        |
| Memory Max.                 | up to 576GB                                                                                                                         |
| Cooling method / System Fan | 1 x CPU fan connector (1x4 pin)<br>2 x System fan connector (1x4 pin)                                                               |
| Physical Characteristics    |                                                                                                                                     |
| Dimensions (LxWxH) (mm)     | 244mm x 305mm (ATX)                                                                                                                 |
| Net Weight                  | 900g                                                                                                                                |
| Storage                     |                                                                                                                                     |
| Storage                     | 4 x M.2(NGFF) : M Key (2242/2280, PCIe x4 for SSD) NVMe support slot<br>8 x SATA : 6Gb/s connectors                                 |
| I/O Interface               |                                                                                                                                     |
| Display Output              | 1 x Display Port : DP1.1a (1920 x 1080)                                                                                             |
| Ethernet                    | LAN -<br>4 x 2.5GbE (I225-LM / I226-LM) Base-T LAN Ports<br>1 x GbE RJ45 IPMI management port<br>1 x RJ45 (RS-232 LAN Console port) |
| I/O Interface               | 4 x External USB 3.2 Gen1x1 : Type-A (5Gb/s)<br>2 x Internal USB 2.0 : via one 2x4 pin connector, P=2.54                            |
| Expansion                   | PCIe x16 -<br>1 x PCIe Gen5 x16 slot<br>2 x PCIe Gen4 x16 slot<br>PCIe x8 : 3 x PCIe Gen4 x8 slot                                   |
| Other Features              |                                                                                                                                     |
| TPM                         | 1 x TPM header                                                                                                                      |
| Power                       |                                                                                                                                     |
| Power Consumption           | 5VSB@0.7A, 5V@1.68A, 3.3V@0.87A, 12V@9.4A<br>(AMD SP6 Siena 8-64 cores with 192GB (six of 32GB) 4800MHz DDR5 memory)                |
| Power Supply                | ATX/AT power supply<br>Support AT/ATX mode                                                                                          |
| Environment                 |                                                                                                                                     |

|                       |                         |
|-----------------------|-------------------------|
| Operating Temperature | 0°C ~ 60°C              |
| Storage Temperature   | -30°C ~ 70°C            |
| Humidity              | 5% ~95%, non-condensing |
| Certifications        |                         |
| Safety & EMC          | CE/FCC compliant        |

## Ordering Information

|               |                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|
| IMBAX-SP6-R10 | B704;ATX motherboard supports AMD SP6 Siena 8-64 cores, 70W-225W TDP ,DDR5, Quad 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, RoHS |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|

## Packing List

|                                     |                   |
|-------------------------------------|-------------------|
| 1 x IMBAX-SP6 single board computer | 1 x I/O Shielding |
| 2 x SATA cable                      | 1 x QIG           |