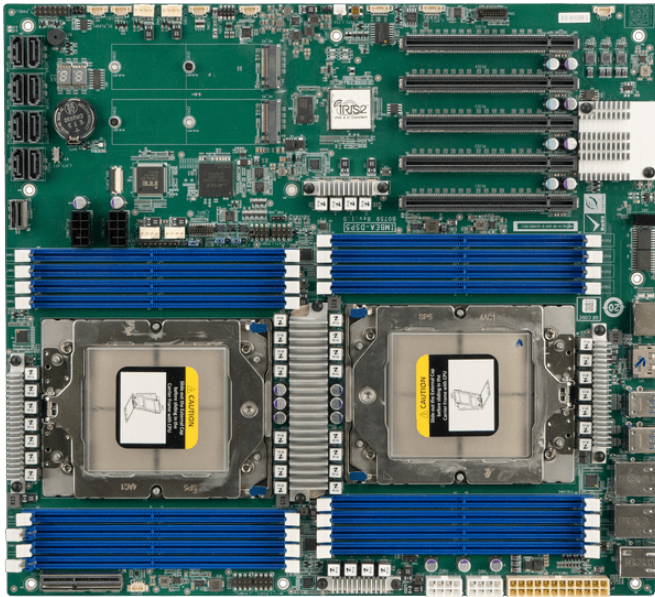


# IMBEA-DSP5

EATX motherboard supports high-performance AMD Dual Processors (Series 9005) processor



## Features

- » High-Performance AMD dual Processors (Series 9005)
- » Support 6400 MHz Dual-Channel DDR5 RDIMM
- » 2x 10 GBE RJ45 LAN ports, 4x USB3.2 Gen1 and 1x DP1.1a, 1x 1GBE RJ45
- » Support PCIe Gen4 x1, PCIe Gen4 x4, PCIe Gen5 x16 and M.2 M key expansion

## Specifications

|                             |                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| Form Factor                 |                                                                                                           |
| Form Factor                 | EATX                                                                                                      |
| System                      |                                                                                                           |
| CPU                         | High-Performance Dual AMD EPYC™ 9005 Series Processors<br>(Dual SP5 Socket/cTDP up to 400W)               |
| Chipset                     | AMD EPYC™ 9005                                                                                            |
| Memory                      | Total 16 DIMM slot DDR5 6400 ECC RDIMM (8 + 8 DIMM slots)                                                 |
| Cooling method / System Fan | 2 x System fan connector (1x4 pin)<br>2 x CPU fan connector (1x4 pin)                                     |
| Storage                     |                                                                                                           |
| Storage                     | SATA : 6Gb/s (RAID 0/1/5/10 supported)                                                                    |
| I/O Interface               |                                                                                                           |
| Display Output              | 1 x Display Port : DP1.1a                                                                                 |
| I/O Interface               | External RS-232<br>Internal USB 2.0 : 2x4 pin, P=2.00<br>External USB 3.2 Gen2x1 : Type-A, 5Gb/s          |
| Expansion                   | PCIe x16 : PCIe Gen5 x16<br>PCIe x4 : PCIe Gen4 x4<br>M.2(NGFF) : M Key (2242/2280, PCIe x2) NVMe support |
| Power                       |                                                                                                           |
| Power Supply                | EATX power supply<br>Support AT/ATX mode<br>ErP/EuP Compliant                                             |
| Environment                 |                                                                                                           |
| Operating Temperature       | 0°C - 40°C                                                                                                |
| Storage Temperature         | -30°C ~ 70°C                                                                                              |
| Humidity                    | 5% ~95%, non-condensing                                                                                   |

## Ordering Information

|                |                                                                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| IMBEA-DSP5-R10 | B0759; EATX motherboard supports AMD SP5 Turin 16-128 cores, dual sockets , cTDP up to 400W ,DDR5, 2x 10 GBE RJ45 LAN, M.2, USB 3.2, SATA 6Gb/s, RoHS |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

## Packing List

|                                      |                   |
|--------------------------------------|-------------------|
| 1 x IMBEA-DSP5 single board computer | 1 x I/O Shielding |
| 2 x SATA cable                       | 1 x QIG           |