



## Features

- Intel® Xeon® D-2700 Processor
- 4x DDR4 DIMMs, Max. 256GB RDIMM or Max. 512GB LRDIMM
- 4x 25GbE SFP28 ports on board
- 2x 2.5 SATA/NVMe hot-swappable HDD/SSD
- Optional for one card:  
1x PCIe (x16) Gen4 single-slot for double FHFL interfaces, passive cooling, up to 120W
- For two cards:  
1x PCIe (x16) Gen4 single-slot + 1x PCIe (x8) Gen4 FHFL interfaces, passive cooling, up to 75W each
- Optional IPMI 2.0 module
- GPS time synchronization
- Supports SyncE and PTP IEEE 1588

## Specifications

|                              |                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard             | MBN8505                                                                                                                                                    |
| CPU Type                     | Intel® Xeon® D-2700 Processor                                                                                                                              |
| System Speed                 | up to 3.50 GHz                                                                                                                                             |
| Memory                       | 4x DDR4 DIMMs, Max. 256GB RDIMM or 512GB LRDIMM, up to 3200MHz                                                                                             |
| AI Inference Computing Power | NVIDIA L4 Tensor card                                                                                                                                      |
| Front Panel External I/O     | 1x LED, 1x Power switch, 1x MGMT, 1x RJ45 console, 1x VGA, 1x RS422, 2x USB3.0, 2x PCIe expansion slot, 2x 2.5 Hot Swappable SATA/NVMe SSD, 4x 25GbE SFP28 |
| Rear Panel External I/O      | 1x AC Intel (2 AC 100~240V)<br>1x Swappable system fan (1+4 hot-swappable 40x40x28 mm fans)                                                                |
| Expansion Slot               | 1x PCIe x16 Expansion slot (optional by SKU)<br>1x PCIe x8 Expansion slot (optional by SKU)                                                                |
| Storage                      | 1x 16GB/32GB/64GB eMMC<br>2x M.2 (M-Key); supports SATA & PCIe<br>2x 2.5 SATA/ NVMe/ hot-swappable HDD/SSD                                                 |
| Power Requirement            | 1+1 AC 100~240V @ 50~60 Hz full range 550W CRPS Redundant Power                                                                                            |
| Power Supply                 | Full-range 550W CRPS 1+1 redundant power supply                                                                                                            |
| Construction                 | Aluminum & steel                                                                                                                                           |
| Chassis Color                | Black                                                                                                                                                      |
| Mounting Type                | N/A                                                                                                                                                        |
| Dimensions                   | 438(W) x 420(D) x 43.8(H) mm<br>17.24 (W) x 16.54 (D) x 1.72 (H)                                                                                           |
| Weight                       | 15 kg (33.06 lbs) (estimated)                                                                                                                              |
| Operating Temperature        | 0°C ~ 50°C (32°F ~ 104°F)                                                                                                                                  |
| Storage Temperature          | -20°C ~ 70°C (-4°F ~ 158°F)                                                                                                                                |
| Relative Humidity            | 5% ~ 90%                                                                                                                                                   |
| Vibration                    | Operating: 0.25 Grms (3~500Hz) Z-axis, duration 60 mins<br>Non-operating: 1.0 Grms (3~500Hz) Z-axis, duration 60 mins                                      |
| Shock                        | Operating :20G/11 ms, Z/Y/Z axis, each axis 3 times<br>Non-operating: 40G/ 11ms, Z/Y/Z axis, each axis 3 times                                             |
| Certification                | CE/FCC                                                                                                                                                     |
| Operating System             | Windows 11, Linux (6.5/ 11/ 22.04)                                                                                                                         |

## Dimensions and Drawing

