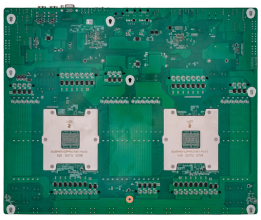
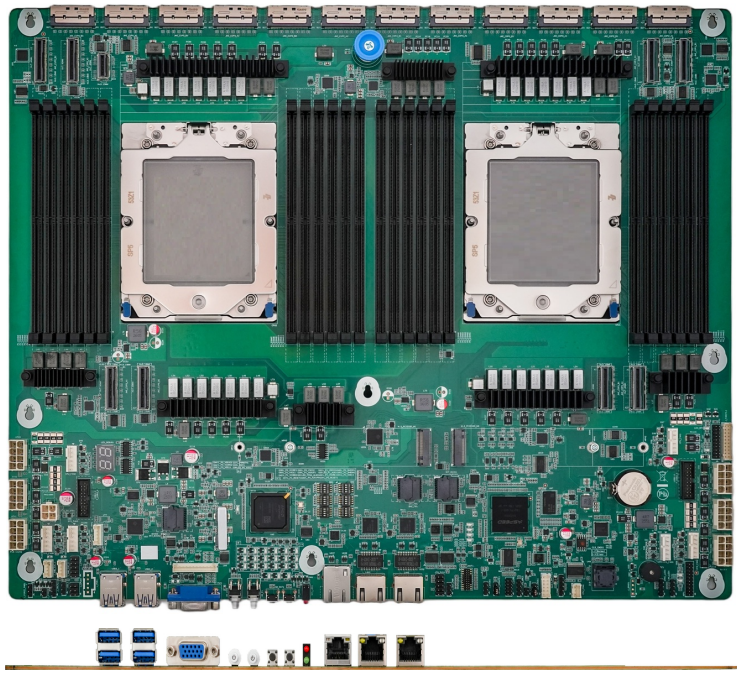
Technica

# MFX-EPYC

## Features

- AMD EPYC 9005/9004 and 97x4 series processors
- Support DDR5-6400MHz, 24 * ECC R-DIMM Slot, up to 6TB
- Support 10 x PCIe 5.0 x8 (CPU0), 10 x PCIe x 5.0 x8 (CPU1)
- Support 1 x PCIe 3.0 x4 (CPU1), 1 x SATA 3.0 x4 (CPU0)
- 2 x M.2 Key-M (PCIe 3.0 x2 NVMe SSD, 2280)
- 2 x Intel GbE i210-AT, 1 x Realtek GbE
- 8 x USB3.2, 2 x COM
- BMC AST2600, support IPMI 2.0
- TPM 2.0 onboard
- OS support Server 2022, Ubuntu 22.04





### Core System

| | |
|---|---|
| CPU | AMD EPYC 9005/9004 (with AMD 3D V-Cache Technology) and 97x4 series processors, up to 2 x 500W |
| System Memory | DDR5-6400MHz, 24 * ECC R-DIMM Slot, up to 6TB |
| Chipset | |
| BIOS | AMI |
| Storage | 2 x M.2 Key-M (PCIe 3.0 x2 NVMe SSD, 2280) |
| Watchdog Timer | 1 - 255 steps by software program |
| Expansion Slot | MCIO 8i: 10 x PCIe 5.0 x8 (CPU0), 10 x PCIe 5.0 x8 (CPU1)<br>MCIO 4i: 1 x PCIe 3.0 x4 (CPU1)<br>Mini SAS HD: 1 x SATA 3.0 x4 (CPU0) |
| Power Input | 6 x internal DC 12V ATX 8P Power Supply<br>1 x internal 5V Standby ATX 4P Power Supply |
| Smart Fan Control | 2 x CPU Fan / 4 x System Fan |
| Dimensions | 428 x 350.4 mm |
| Operating Temperature | 0°C to +50°C |
| Storage Temperature | -20°C to +75°C |
| Humidity | 10% to 95% relative humidity, non-condensing |

### Rear I/O

| | |
|---|---|
| USB | 4 x USB 3.0 |
| Display I/O | 1 x VGA |
| Audio I/O | - |
| LAN I/O | 3 x Gigabit Ethernet |
| Serial Port | - |
| PS/2 Port | - |
| Others | 1 x UID, 1 x Power on, 1 x Reset, 1 x NMI, 1 x LED |

### Internal Connectors

| | |
|---|---|
| USB | 4 x USB 3.0 Header |
| Display I/O | - |
| Audio I/O | - |
| Serial Port | 2 x RS-232 |
| Parallel Port | - |
| GPIO | Support |
| FAN | Support |
| Power | 6 x 12V ATX 8P + 1 x 5V ATX 4P |
| Others | 1 x Case Open Header, 1 x Front Panel Header, 1 x Black Panel Header, 6 x FAN Wafer, 1 x Buzzer |

### Graphics

| | |
|---|---|
| Chipset | - |
| VGA | Up to 1920 x 1200 @ 60Hz |
| DVI | - |
| HDMI | - |
| Display Port | - |
| LVDS | - |
| eDP (Header) | - |

### Others

| | |
|---|---|
| OS Support | Windows Server 2022, Ubuntu 22.04 |
| Certifications | CE / FCC Class B |