

FXFP510

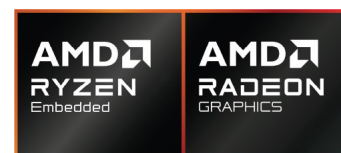
AMD Ryzen™ Embedded R2000 Series based Mini PC with 4HDMI



Features

- CPU: AMD Ryzen™ Embedded R2000 Series Processor
- Memory: Dual Channel SO-DIMM DDR4 up to 64GB
- GPU: AMD Radeon™ Graphics display via 4xHDMI
- Ethernet: 2xRTL8111H, 10/100/1000Mbps
- Storage&Expansion: SATA3.0, M.2 Key M Slot for NVMe SSD, PCIeX4, M.2 Key B Slot for SATA SSD/4G, SIM Slot, M.2 Key E Slot for WiFi&BT
- Power: 12V/19V DC-IN Jack

AMD
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Introduction

The Maxtang FXFP510 is a compact, high-performance Mini PC built on the AMD Ryzen™ Embedded R2000 Series platform, designed for reliable multi-display and industrial computing applications. Powered by AMD Ryzen™ Embedded processors with up to 4 cores and 8 threads based on the “Zen+” architecture, and integrated AMD Radeon™ graphics, it delivers efficient performance for graphics-intensive workloads. Compared to the previous R1000 Series, it offers enhanced processing capability and improved I/O flexibility, supporting up to four HDMI outputs for versatile display configurations.

Engineered for 24/7 operation in demanding environments, the FXFP510 supports up to 64GB DDR4 memory and provides flexible storage options including SATA 3.0 and M.2 NVMe/SATA expansion. The system features four HDMI 2.0 outputs (supporting up to three independent 4K displays), optional TPM for enhanced system security, and rich connectivity with multiple USB ports, COM interfaces, and dual audio interfaces support. With its compact and durable design, the FXFP510 is well-suited for digital signage, industrial automation, smart retail, machine vision, and IoT edge deployments.



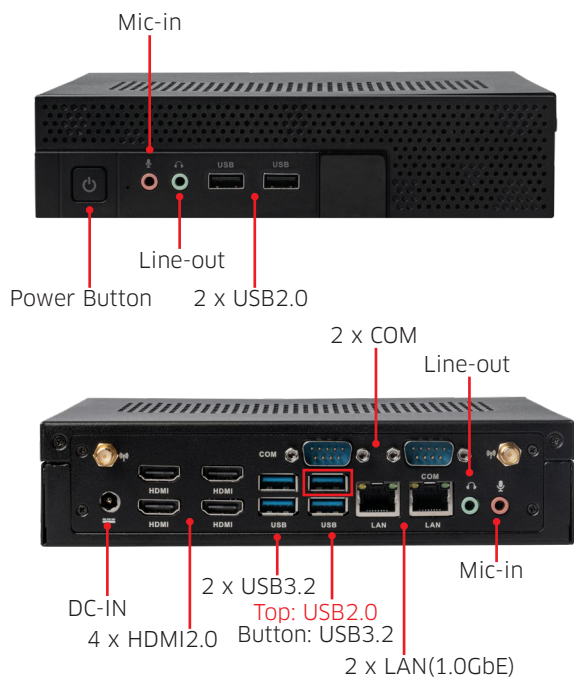
H/W Monitor



Watchdog



I/O Interfaces

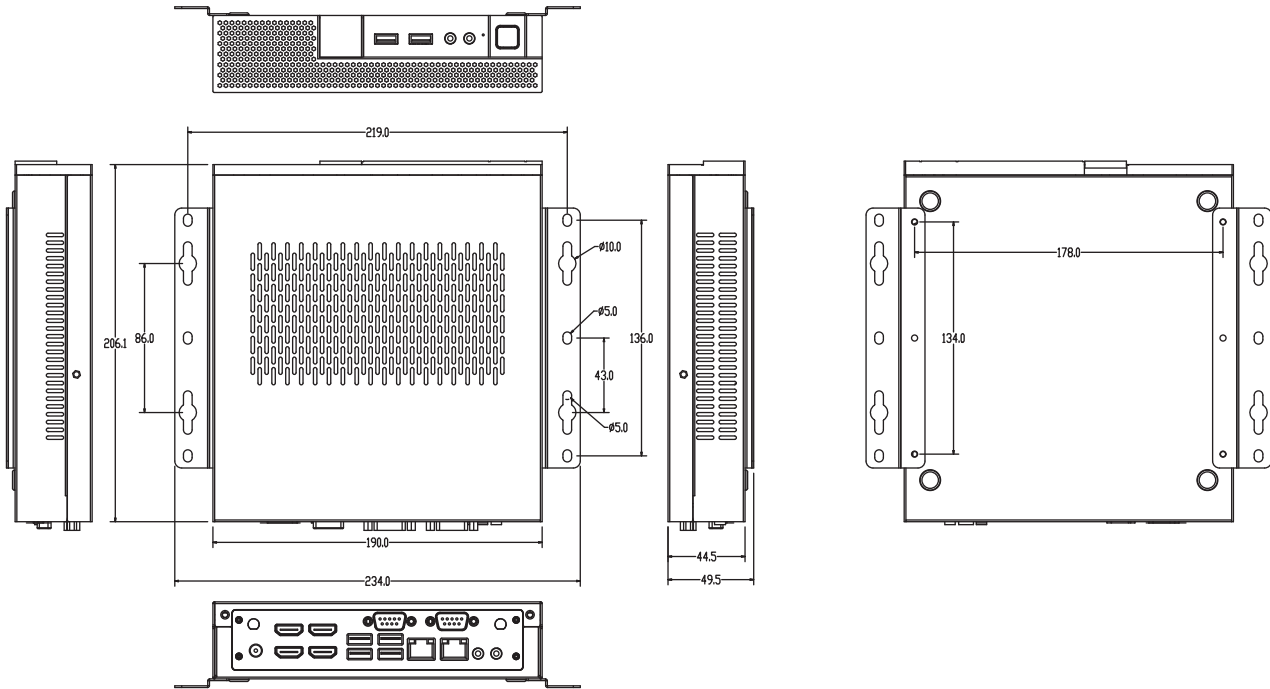


Technical Specifications

| | | | |
|---------------------|--|---|---|
| Processor | AMD Ryzen™ Embedded | R2314 | R2514 |
| | Total Cores/Threads | 4C/4T | 4C/8T |
| | Base Frequency | 2.10GHz | 2.10GHz |
| | Max Frequency | 3.50GHz | 3.70GHz |
| | Total L3 Cache | 4MB | 4MB |
| | TDP | 15W-35W | |
| | BIOS | AMI UEFI BIOS | |
| | Memory | Type | Dual Channel SO-DIMM DDR4 |
| Max Capacity | | 64GB | |
| Display | Graphics | Integrated Graphics depends on the CPU model, see GPUs | |
| | Display Port | 4 x HDMI2.0 | |
| | Max Display | Up to 4 displays; supports up to 3 simultaneous external 4K displays. | |
| Ethernet | Controller | 2 x Realtek® RTL8111H | |
| | Speed | 10/100/1000Mbps | |
| | Interface | 2 x RJ45 | |
| | Wake on LAN | Yes | |
| Audio | Audio Codec | SenaryTech SN6186 High-definition Audio Codec | |
| | Interface | 2 x Line-out, 2 x Mic-in, supports audio header and amplifier header | |
| Hardware Monitoring | CPU temperature, system temperature, onboard voltage, watchdog | | |
| Storage&Expansion | SATA | 1 x SATA3.0 | |
| | M.2_N | 1 x M.2 Key M Slot for 2280 NVMe SSD | |
| | M.2_S/W | 1 x M.2 Key B Slot for 2242/2280 SATA SSD/3042 4G Module | |
| | M.2_E | 1 x M.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module | |
| | PCIe X4 | 1*PCIe X4 Slot | |
| | SIM | 1 x Internal SIM Slot | |
| | Other I/O | USB2.0 | 3 x USB2.0(1*shared in rear USB Type-A connector) |
| USB3.2 | | 3 x USB3.2 | |
| COM | | 2 x COM | |
| Dimension | Size | 206.1 mm x 190 mm x 44.5mm (L x W x H) | |
| Power | Standard Port | 19V/12V DC-in | |
| Temperature | Operating Temp. | -20°C to 60°C | |
| | Storage Temp. | -40°C to 80°C | |
| Cooling | Active | | |
| Operating System | Win 10/11 64bit, Linux 64bit | | |

*All specifications and photos are subject to change without notice.

Dimension(in mm)



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