

MUC-FP551

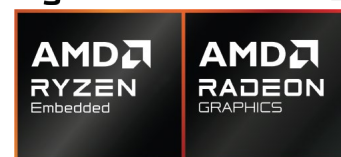
AMD Ryzen™ 3000 Series/Ryzen™ Embedded R2000 Series
with Radeon™ Graphics based Ultra-Compact Mini PC



Features

- CPU: AMD Ryzen™ 3000 Series/Embedded R2000 Series
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Displays via 2xHDMI, USB-C
- I/O Ports: 2 x USB-C, 2 x USB3.2, 2 x USB2.0, 1 x LAN(1.0GbE), Audio
- Storage: M.2_Key M for 2280 NVMe, M.2_Key M for 2242 NVMe/SATA
- Expansion: M.2_Key E for 2230 WiFi
- Power: 19V DC-in

AMD
together we advance_



Introduction

The MUC-FP551 is an ultra-compact Mini PC powered by AMD Ryzen™ Embedded R2000 Series and Ryzen™ 3000 Series processors with integrated AMD Radeon™ Graphics, delivering reliable performance for commercial and embedded computing applications in an extremely compact form factor. Measuring only 112.4 mm × 112.4 mm × 35.5 mm, the system supports dual-channel DDR4 memory up to 64GB and offers flexible storage expansion through dual M.2 slots for NVMe and SATA SSDs, making it ideal for space-limited deployments requiring efficient performance and modern connectivity.

Designed for compact multi-display and professional computing environments, the MUC-FP551 features dual HDMI outputs, a full-function USB-C port supporting USB 3.2 Gen2, DisplayPort, and power delivery, Gigabit Ethernet, multiple USB interfaces, and wireless expansion support via M.2 Key E. With active cooling, support for Windows 10/11 and Linux operating systems, and a lightweight ultra-compact chassis, the MUC-FP551 is well suited for digital signage players, office mini PCs, self-service terminals, education systems, and other commercial edge computing applications where compact size and flexible connectivity are essential.



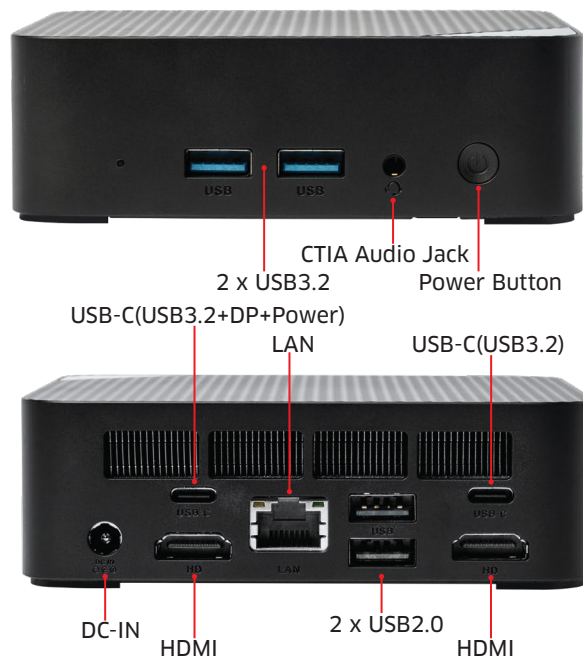
H/W Monitor



Watchdog



I/O Interfaces

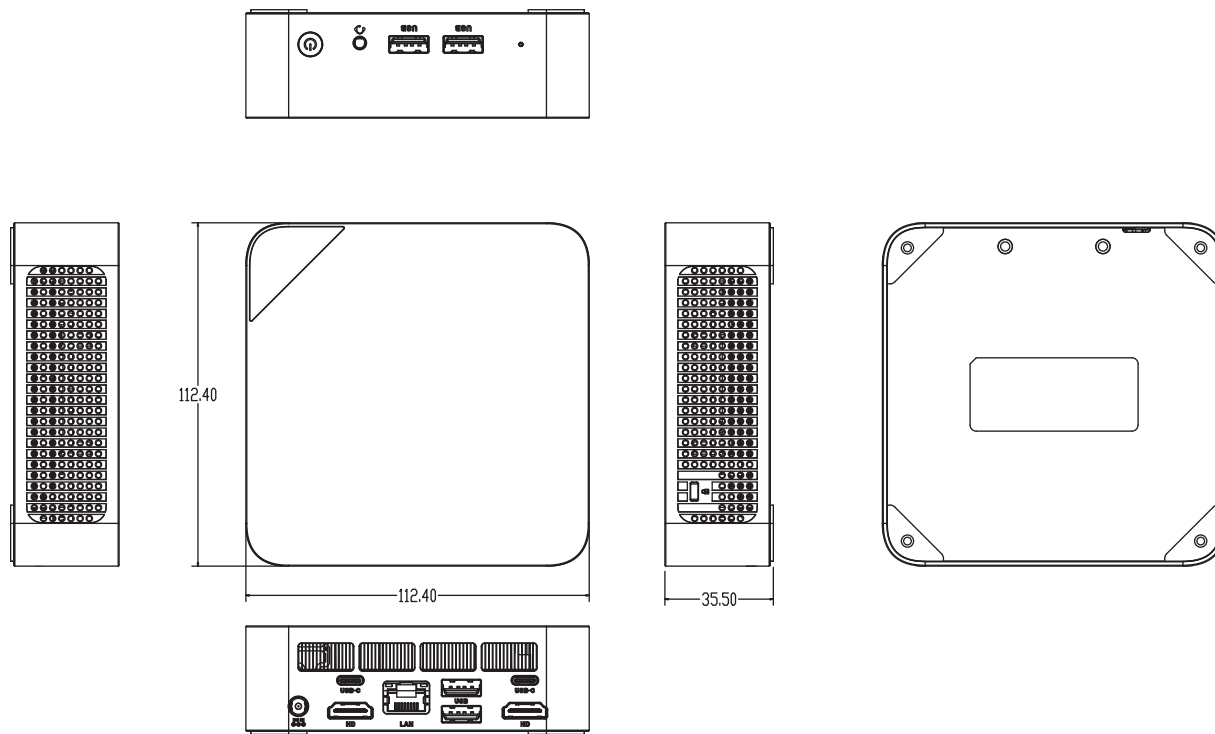


Technical Specifications

| Processor | AMD Ryzen™ Embedded/5/7 | R2314 | R2514 | 3500U | 3700U |
|---------------------|---------------------------|--|--------|--------|--------|
| | Total Cores/Threads | 4C/4T | 4C/8T | 4C/8T | 4C/8T |
| | Base Frequency/Clock | 2.1GHz | 2.1GHz | 2.1GHz | 2.3GHz |
| | Max Frequency/Boost Clock | 3.5GHz | 3.7GHz | 3.7GHz | 4GHz |
| | Total L3 Cache | 4MB | 4MB | 4MB | 4MB |
| | cTDP | 15-35W | 15-35W | 15-35W | 15-35W |
| | BIOS | AMI UEFI BIOS | | | |
| Memory | Type | Dual Channel SO-DIMM DDR4 | | | |
| | Max. Capacity | 64GB | | | |
| Display | GPU | Integrated AMD Radeon™ Graphics | | | |
| | Interface | 2 x HDMI, 1 x USB-C(Full-functions) | | | |
| Ethernet | Controller | Realtek RTL8111H | | | |
| | Speed | 10/100/1000Mbps | | | |
| | Interface | 1 x RJ45 | | | |
| Audio | Audio Codec | SenaryTech SN6186 | | | |
| | Interface | 1 x CTIA 2in1 Audio Jack(Line-out+Mic-in) | | | |
| Storage & Expansion | M.2_N | 1 x M.2 Key M Slot for 2280 NVMe(PCIe x4) SSD | | | |
| | M.2_N/S | 1 x M.2 Key M Slot for 2242 NVMe/SATA SSD | | | |
| | M.2_E | 1 x M.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module | | | |
| Other I/O | USB3.2 | 2 x USB 3.2 Gen2 Type-A ports | | | |
| | USB2.0 | 2 x USB2.0 Type-A ports | | | |
| | USB-C | 2 x USB-C Type-C ports | | | |
| | | (1 x Type-C port supports USB3.2 Gen2+DP+Power) | | | |
| | | (1 x Type-C port supports USB3.2 Gen1) | | | |
| | TPM | Optional | | | |
| Dimension | Size | 112.4 mm x 112.4 mm x 35.5mm (L x W x H) | | | |
| | Weight | N.W. Barebone: 0.308KG | | | |
| Power | Standard Port | 19V DC-IN | | | |
| Temperature | Operating Temp. | 0°C to 50°C | | | |
| | Storage Temp. | -20°C to 70°C | | | |
| Cooling | | Active | | | |
| Operating System | | Windows10/11 64bit, Linux 64bit. | | | |

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

Dimension(in mm)



Copyright © 2026 Maxtang Technology Co. Ltd.. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate however, no responsibility is assumed for inaccuracies. Maxtang and the Maxtang logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress, and HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.