

# T1-FP550

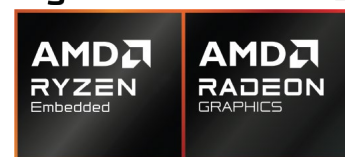
AMD Ryzen™ 3000 Series/Ryzen™ Embedded R2000 Series  
with Radeon™ Graphics based Ultra-Compact Mini PC



## Features

- CPU: AMD Ryzen™ 3000 Series/Embedded R2000 Series
- Memory: Dual Channel DDR4 for Memory up to 64GB
- Display: AMD Radeon™ Graphics, Displays via DP, HDMI, USB-C
- I/O Ports: 1xUSB-C(DP1.4+USB3.2\_10Gbps), 3xUSB3.2, 1xUSB2.0, 2xLAN(1.0GbE), Audio
- Storage: M.2\_Key M for 2280 NVMe, M.2\_Key M for 2280 NVMe/SATA, FPC SATA
- Expansion: M.2\_Key E for 2230 WiFi
- Power: 19V/20V DC-in

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## Introduction

The T1-FP550 is an ultra-compact Mini PC powered by AMD Ryzen™ Embedded R2000 Series and Ryzen™ 3000 Series processors with integrated Radeon™ Graphics, delivering efficient performance for everyday commercial and professional computing tasks in space-constrained environments.

The system supports dual-channel DDR4 memory up to 64 GB, flexible storage expansion with M.2 NVMe and SATA SSDs, and integrated wireless connectivity options. Comprehensive I/O includes multiple display outputs (DisplayPort, HDMI, and USB-C with DisplayPort Alt Mode), dual Gigabit Ethernet, and a range of USB interfaces to support modern peripherals and multitasking scenarios.

Featuring active cooling, a compact footprint, and compatibility with Windows and Linux operating systems, the T1-FP550 is well suited for digital signage, kiosks, office workstations, point-of-sale systems, and other commercial applications where compact size, connectivity, and stable performance are required.



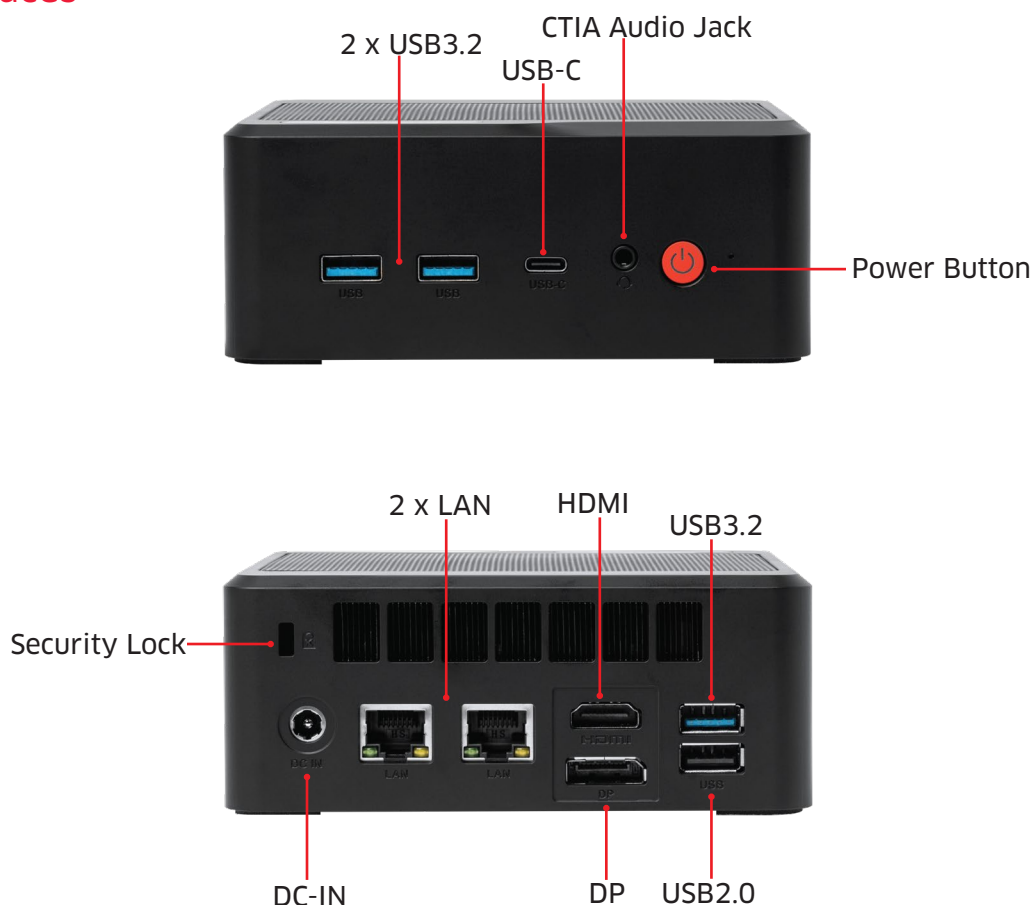
H/W Monitor



Watchdog



## I/O Interfaces

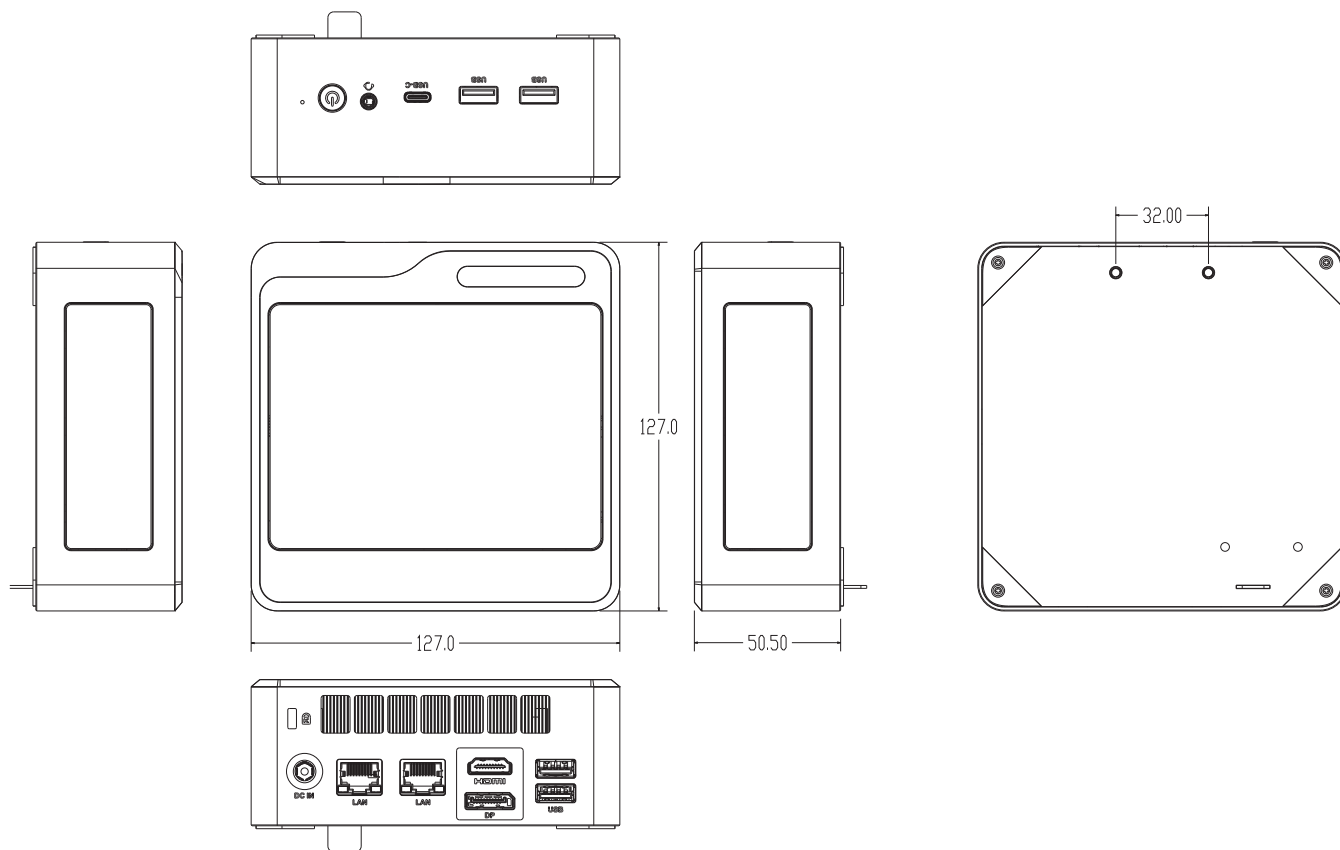


## Technical Specifications

| Processor           | AMD Ryzen™ Embedded   | R2314                                              | R2514        | R2544   |
|---------------------|-----------------------|----------------------------------------------------|--------------|---------|
|                     | Total Cores/Threads   | 4C/4T                                              | 4C/8T        | 4C/8T   |
|                     | Base Frequency        | 2.1GHz                                             | 2.1GHz       | 3.35GHz |
|                     | Max Frequency         | 3.5GHz                                             | 3.7GHz       | 3.7GHz  |
|                     | Total L3 Cache        | 4MB                                                | 4MB          | 4MB     |
|                     | cTDP                  | 15-35W                                             | 15-35W       | 35-54W  |
|                     | <b>AMD Ryzen™ 5/7</b> | <b>3500U</b>                                       | <b>3700U</b> |         |
|                     | Total Cores/Threads   | 4C/8T                                              | 4C/8T        |         |
|                     | Base Clock            | 2.1GHz                                             | 2.3GHz       |         |
|                     | Max Boost Clock       | 3.7GHz                                             | 4GHz         |         |
|                     | Total L3 Cache        | 4MB                                                | 4MB          |         |
|                     | cTDP                  | 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             | 1 x DP, 1 x HDMI2.1, 1xUSB-C                       |              |         |
| Ethernet            | Controller            | 2 x Realtek RTL8111H                               |              |         |
|                     | Speed                 | 10/100/1000Mbps                                    |              |         |
| Audio               | Interface             | 2 x RJ45                                           |              |         |
|                     | Audio Codec           | SenaryTech SN6186                                  |              |         |
| Storage & Expansion | Interface             | 1 x CTIA 2in1 Audio Jack(Line-out+Mic-in)          |              |         |
|                     | M.2_N                 | 1 x M.2 Key M Slot for 2280 NVMe SSD               |              |         |
|                     | M.2_N/S               | 1 x M.2 Key M Slot for 2280 NVMe/SATA SSD          |              |         |
|                     | SATA                  | 1 x SATA via FPC connector                         |              |         |
| Other I/O           | M.2_E                 | 1 x M.2 Key E Slot for 2230 Wi-Fi&Bluetooth Module |              |         |
|                     | USB3.2                | 3 x USB3.2                                         |              |         |
|                     | USB2.0                | 1 x USB2.0                                         |              |         |
|                     | USB-C                 | 1 x USB-C(USB 3.2 10 Gbps + DP 1.4)                |              |         |
|                     |                       | Power input via USB-C is NOT supported.            |              |         |
|                     | TPM                   | Optional                                           |              |         |
| Dimension           | Size                  | 127 mm x 127 mm x 50.5mm (L x W x H)               |              |         |
|                     | Weight                | N.W. Barebone: TBD                                 |              |         |
| Power               | Standard Port         | 19V/20V 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



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