Quick Installation Guide

1. Packing List

- AmITX-RZ-G Mini-ITX board
- Rear I/O shield (P/N: 34-25329-0000-A0)

2. Board Overview

- **Form Factor**: Mini-ITX (170mm x 170mm)
- **CPU**: AMD Ryzen™ Embedded R2544 / R2314
- **Memory**: 2x DDR4 SODIMM slots, up to 32GB ECC/non-ECC
- **Storage**: 2x SATA 6Gbps, 1x M.2 (M-Key, SATA/NVMe)
- **LAN**: Dual Intel® I225-V GbE
- **Display**: 4x DisplayPort
- **USB**: 4x USB 3.0, 4x USB 2.0
- **Audio**: 7.1 channel with S/PDIF
- **Expansion**: 1x PCIe x16 (Gen3 x8 signal), 1x PCIe x1, 1x mini PCIe

3. Basic Installation Steps

Step 1: Install Memory

Insert DDR4 SODIMM modules into the vertical memory slots (max 32GB).

Step 2: Install Storage

- Connect 2.5" SSD/HDD to SATA0 or SATA1.
- For NVMe, install into M.2 M-Key slot (2242/2260/2280 supported).

Step 3: Connect Power

Use the 14-pin ATX power connector with included adapter cable(P/N: 30-20872-1000).

Step 4: Connect Peripherals

- HDMI/Display: Use up to 4x DisplayPorts
- Ethernet: Connect to either of the 2x RJ-45 ports
- USB devices: Use rear or internal headers
- Audio: Connect to rear jacks or internal header

4. BIOS Access

- Press DEL during POST to enter BIOS setup
- Default boot device priority: M.2 > SATA
- BIOS supports fail-safe mode and dual-BIOS switch

5. OS Compatibility

- Windows 10 64-bit, Linux 64-bit (Ubuntu 16.04.4 BSP available)

6. Driver Installation

- Drivers can be downloaded through the following link.

  https://www.adlinktech.com/Products/Infotainment/InfotainmentBoard/AmITX-RZ-G?Lang=en