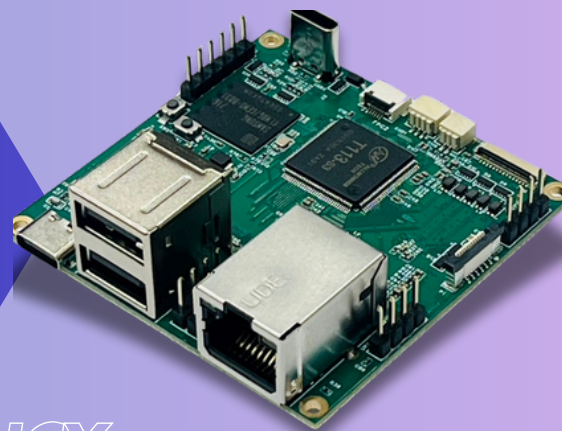# MBM-T113 Ultra-Compact Moible-ITX Board

CREDIT CARD SIZE EFFICIENCY
ENGINEERING-GRADE PERFORMANCE

Features

- Ultra-Compact size with Mobile-ITX , 60x60mm size for space-saving applications
- Powered by Dual-core ARM Cortex-A7 with 128MB DDR3 on-chip memory
- 32GB eMMC storage on board design
- Single-core HiFi4 DSP for high-efficiency processing
- H.265/H.264 decoding with GPU acceleration for smooth 1080p video
- Multimedia Interfaces: MIPI-DSI (1920x1200), I2C touch, 1x Line-out and 1x MIC-in for rich audio and display integration
- Flexible Expansion: 4x USB 2.0 HS, USB Type-C for debugging, and 3x UART with flow control, offering broad connectivity options for various peripherals
- Linux OS with LVGL, Qt, GTK+ support for fast GUI development

Multiple Application Areas

HVAC Control

Automation

Intercom

Smart Home

Medical Bedside Terminal

Vending Kiosk

Intelligent Retail

MBM-T113

Mobiile-ITX Board

Specification

System
- Dual-core ARM Cortex-A7 @ 1.2GHz
- Single-Core HiFi4 DSP provide high efficient computing power
- On-chip Memory, 128MB DDR3
- 32GBB eMMC flash onboard and 1x Micro SD slot

Display Support
- MIPI DSI w/1080p60

Touch
- support I2C Touch controller

Ethernet
- 1x10/100M Gigabit Ethernet

Connectivity I/O Interface
- 4x USB 2.0 HS (2x Type A, 2x header)
- 1 x USB Type-C for debug
- 3x UART
- Audio: 1xLine-out, 1x MIC-in
- 1x GPIO for external extend
- Support 1x CR1120 Battery

Size
- 60x60mm, Mobile-ITX

Power Supply
- 5~15V Type C Power Input

Operating Temperature
- -10℃ ~ 70℃

Operating System Support
- Linux with LVGL, Qt, GTK+ support

60mm

60mm