

[Brand] [Model]

User Guide

Version: 1.0.0

Date: 2024/xx/xx

Revision History

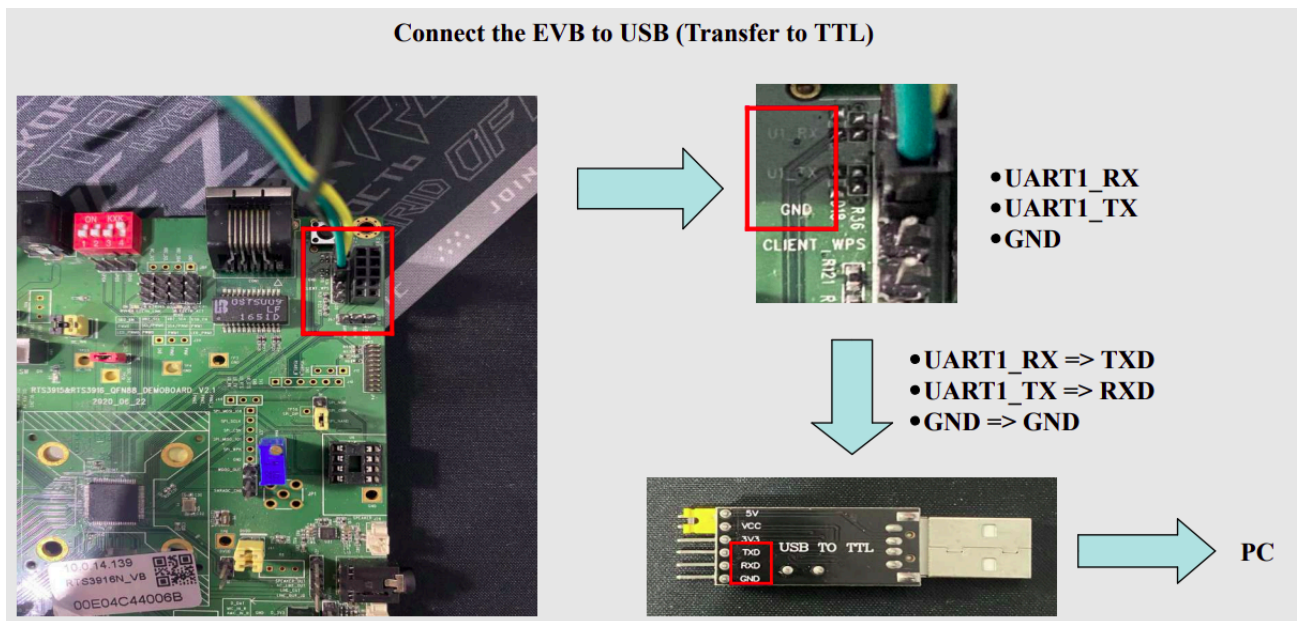
Date	Modification	By	Version
2024/xx/xx	First Release		V1.0.0

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1. Hardware Preparation

- Items
 - Main board: Realtek RTS3916n EVB
 - Camera module: YT10066 lens + SC4236 sensor
 - 5V DC Power Adapter
 - USB to TTL Converter
 - Ethernet Cable
- Preparation
 1. Connect Ethernet cable between PC and EVB.
 2. Connect UART to TTL module between EVB and PC:



2. Environment Setup

3. Firmware Compilation (for SoC)

4. Software Installation and Operation Guides

1. AI Model Training, Retrieval, Quantizing and Porting

Please illustrate how to train AI model, retrieve the generated AI model, AI model quantization and porting to board.

2. Image Collection (Example) Program and User Operation Guides

Please illustrate how to collect images from camera via example or custom program. So as to provide AI team to iterate and train a new model.

3. AI Inference & Verification

Please illustrate how to verify AI model with image feeding tool or real-time camera streaming program.

Important!: All of the above materials including HW schematic, gerber, BOM and SW source codes must be uploaded to InstAI Google Drive / InstAI GitHub.