CYW9RPI55513-EVK Evaluation Kit release notes

About this document

Scope and purpose

Thank you for your interest in the CYW9RPI55513-EVK Evaluation Kit. This document lists kit contents, installation requirements, kit documentation, and limitations.

Intended audience

This document is intended for anyone who uses the CYW9RPI55513-EVK Evaluation Kit.

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1 Release contents

1.1 Kit contents

The CYW9RPI55513-EVK Evaluation Kit box includes the following:

1. CYW9RPI55513-EVK Evaluation Board (with Raspberry Pi CM4 module and CYW55513 radio M.2 card)
2. USB Type-C to Type-C cable
3. Tri-band Dipole Antenna (2 Qty)
4. SMA to U.FL Coaxial cable assembly (2 Qty)
5. Quick start guide

2 Tool information

2.1 Software and tools

The Raspberry Pi OS and other supporting software are available on the Raspberry Pi webpage. For more details, see the kit user guide.

2.2 Firmware and kit collateral

The kit webpage contains both documents and hardware files. The firmware and boot images are available on the Infineon Developer Center (IDC).

2.3 Installation

The kit guide, available on the kit webpage, provides all necessary software installation instructions.

2.4 Kit revision

This is the initial revision (Rev. **) of the kit.

2.5 Limitations

When CYW55513 M.2 cards with an SDIO interface are used confirm that the SDIO_D2 pin on the M.2 card is pulled high, as it is not controlled by the host. This information is required to enumerate the SDIO interface of the chip properly during the boot.

2.6 Documentation

The following kit documents are available on the kit webpage:

- CYW9RPI55513-EVK Evaluation Kit guide
- CYW9RPI55513-EVK Evaluation Kit quick start guide
- CYW9RPI55513-EVK Evaluation Kit release notes

2.7 Technical support

For assistance, go to www.infineon.com/support.

Visit community.infineon.com to ask your questions in the Infineon developer community.

2.8 Additional information

By default, the kit comes with Ezurio Sona IF513 M.2 module with the CYW55513 chipset (tri-band Wi-Fi 6E, 802.11 a/b/g/n/ac/ax , and Bluetooth® 5.4). The user can replace the Ezurio Sona IF513 module with any other M.2 radio module with Infineon's combo chipset for evaluation and development. In addition to swapping the M.2 radio module, a new image will be required to enable the new M.2 radio module. The image specific to the new M.2 module can be downloaded from the Infineon Developer Center. Also, user can use the proper coaxial cable assembly, SMA to U.FL or SMA to MHF4 to connect the dipole antenna to the radio module as per the connector on the module.

For more information about Raspberry Pi compute module 4 and its software and hardware, visit the following Raspberry Pi webpage:

Raspberry_Pi

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