

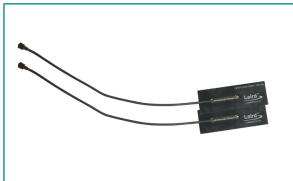
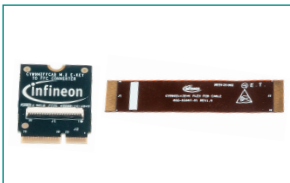
QUICK START GUIDE

AIROC™ CYW55913 Wi-Fi & Bluetooth® Low-Energy Connected MCU Evaluation Kit

CYW955913EVK-01

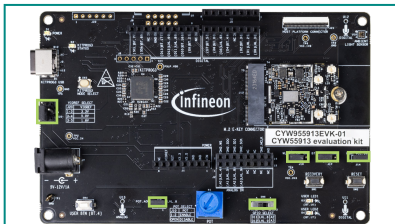
Kit contents

1. CYW55913 evaluation board (CYW9CPM2BASE1 + CYW955913SDCM2WLIPA)
2. 30-pin FFC cable with M.2 adapter card
3. USB-C to USB-C cable
4. Six jumper wires (five inches each)
5. Two Laird tri-band PCB antenna
6. Quick start guide (this document)

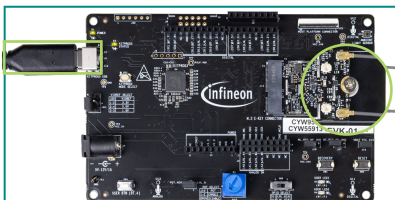


www.infineon.com/CYW955913EVK-01

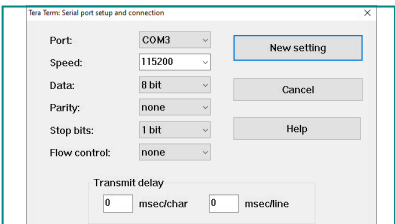




1 Default jumper settings



1 USB cable connected to the KitProg3 USB connector



2 USB-UART COM port setup

Before you start

1. Ensure that you have the following:
 - PC with USB-C port
 - UART terminal software such as Tera Term or Minicom
2. Visit the kit website to download and install the required software.
3. Ensure the following jumper/switch settings on the board.

Jumper/switch	Position
J14	1-2
J16	Open
J17	Open
J10	1-2
J20	3-5
SW5.1	ON
SW5.2	ON
SW6	POS1

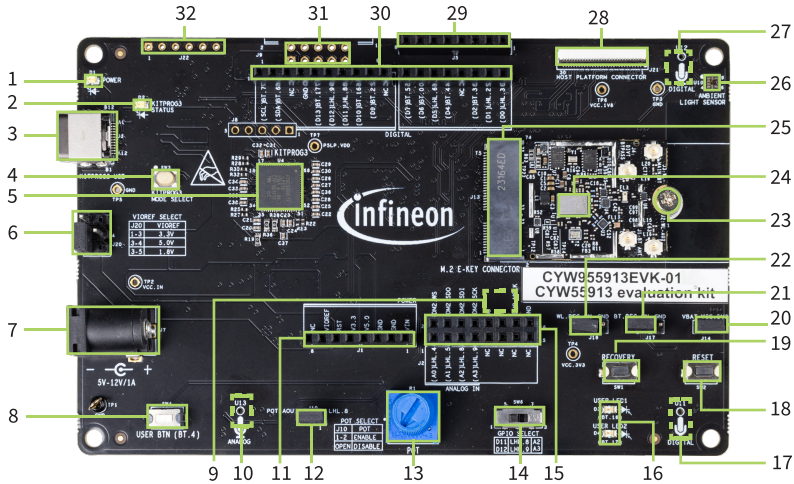
4. Connect the antenna on J3 (WL MAIN) and J2 (WL AUX) connectors on the M.2 carrier module.
5. Connect the KitProg3 USB-C connector (J6) to your PC.
6. Wait for the driver installation to complete.

Connect the kit with the UART terminal software

1. Open the UART terminal software and connect to the kit's peripheral UART COM port with the following settings:
 - Baud rate: 115200, Data: 8 bit,
 - Parity: None, Stop bit: 1 bit, Flow control: None
2. Press the reset button (SW2) and follow the instructions displayed on the UART terminal to use the pre-programmed code example.

Refer to the kit guide available at the [kit website](#) for details.

CYW955913EVK-01 Evaluation Board details

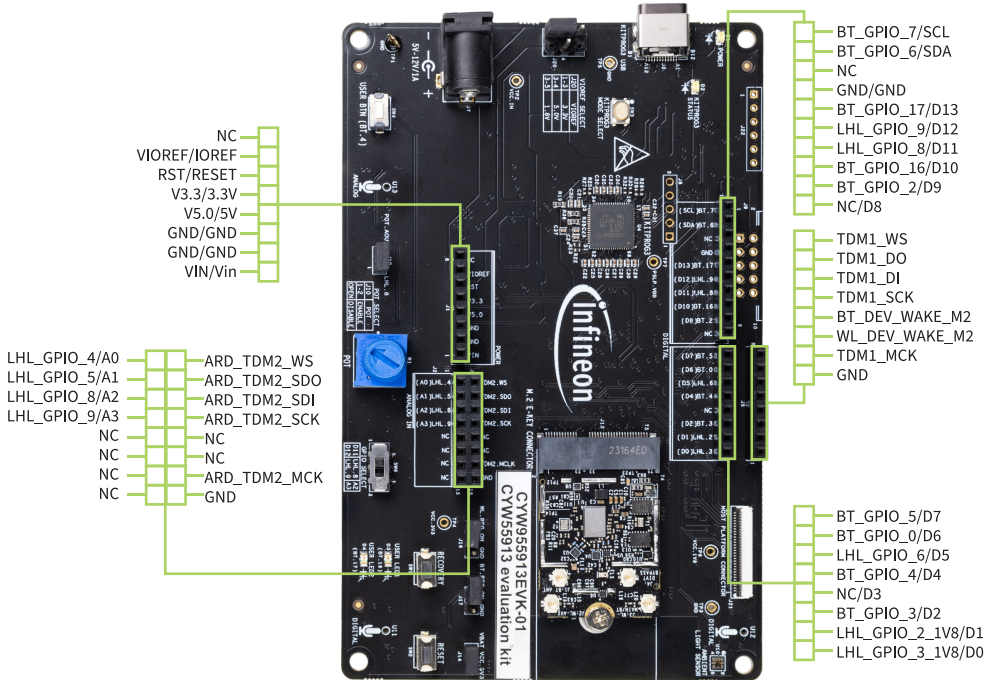


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|---|--|
| 1 Power LED (D1) | 17 Digital mic 1 (U11)** |
| 2 KitProg3 status LED (D2) | 18 CYW55913 reset button (SW2) |
| 3 KitProg3 USB-C connector (J6) | 19 CYW55913 recovery button (SW1) |
| 4 KitProg3 programming mode selection button (SW3) | 20 VBAT current measurement jumper (J14) |
| 5 KitProg3 (PSoC™ 5LP) programmer and debugger (CY8C5868LTI-LP039, U4) | 21 Bluetooth® section disable jumper (J17) |
| 6 VIOREF voltage selection jumper (J20) | 22 WLAN section disable jumper (J16) |
| 7 External power supply VIN connector (J7) | 23 M.2 stand-off (MT1) |
| 8 CYW55913 user button (SW4) | 24 CYW955913 device (U1) |
| 9 LED enable/disable switch (SW5)** | 25 M.2 E Key interface connector (J13) |
| 10 Analog mic (U13)** | 26 Ambient light sensor (U10) |
| 11 Power header compatible with Arduino Uno R3 (J1) | 27 Digital mic 2 (U12)** |
| 12 Potentiometer connection jumper (J10) | 28 External host platform interface connector (J21) |
| 13 Potentiometer (R1) | 29 TDM1 interface connector (J5) |
| 14 Arduino ADC/SPI header selection switch (SW6) | 30 Digital I/O headers compatible with Arduino Uno R3 (J3, J4) |
| 15 Analog input header compatible with Arduino Uno R3 with extended TDM2 interface (J2) | 31 10-pin JTAG/COEX header (J9)* |
| 16 CYW55913 user LEDs (D3, D4) | 32 6-pin Bluetooth® UART header (J22)* |

* Footprint only, not populated on the board

** Component is located at the bottom side of the board

CYW955913EVK-01 Evaluation Board pinout details



See the kit guide available at www.infineon.com/CYW955913EVK-01 for details.