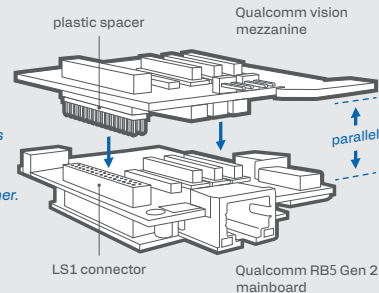


Important!

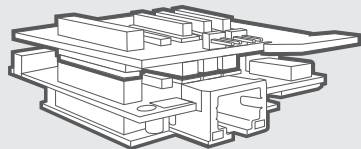
To **CONNECT** mezzanine board to RB5 Gen 2 board:

Ensure plastic spacer is present on LS1 connector.

Ensure all connectors are properly aligned and boards are parallel with each other.



Press down firmly to squeeze boards together (avoid pressing in center of SOM board).



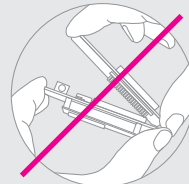
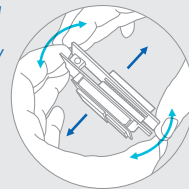
To **REMOVE** mezzanine board from RB5 Gen 2 board:

Grasp both boards firmly and wiggle up and down to gradually loosen the connectors (note boards are very tight).

Pull boards straight apart.

Do not pry boards apart.

This will result in damage to pins.



Downloading and installing Qualcomm RB5 Gen 2 Development Kit Tools and Resources

Qualcomm RB5 Gen 2 Development Kit
qualcomm.com/rb5-gen2

Qualcomm

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- (1) Product developers to evaluate electronic components, circuitry, or software associated with the kit to determine whether to incorporate such items in a finished product and
- (2) Software developers to write software applications for use with the end product. This kit is not a finished product and, when assembled, may not be resold or otherwise marketed unless all required FCC equipment authorizations are first obtained. Operation is subject to the condition that this product not cause harmful interference to licensed radio stations and that this product accept harmful interference. Unless the assembled kit is designed to operate under part 15, part 18, or part 95 of the U.S. Federal Communications Commission (FCC) rules in Title 47 of the Code of Federal Regulations (CFR), the operator of the kit must operate under the authority of an FCC license holder or must secure an experimental authorization under part 5 of the FCC's rules.
- If the kit is modified through the addition of external RF components, such as high gain antennas, then the owner must ensure operation with existing rules.

The development and evaluation kit is being provided solely for engineering sampling purposes and is not intended for use in commercial products in the state provided. To enable an easy and fast development / prototyping experience, this kit is shipped with the secure boot not enabled and with debug enabled, providing invasive debugging capabilities. As a result of this security configuration, this development and evaluation kit as provided operates on insecure and considered-to-be-known cryptographic material, which is not suitable to protect assets, such as models, applications, data, products, or any other sensitive information that a user may choose to process on this development and evaluation kit. Due to the nature of having debug enabled, there are also no guarantees on memory and software integrity, as well as no guarantees on the confidentiality of such assets. Therefore, customers are strongly advised to not use this development and evaluation kit, or any component therein, when commercializing products until such kit and the components therein are properly secured. In order to do so, please register with Qualcomm to receive the necessary security enablement guidelines and tooling. This will assist customers in securely provisioning the required customer cryptographic keying material, disabling debug, and enabling secure boot.

Qualcomm

RB5 Gen 2 DEVELOPMENT KIT

Setup Guide

Development kit delivering a valuable combination of strong performance, flexibility, and premium connectivity.



This Setup Guide helps you get started with the Qualcomm RB5 Gen 2 Dev Kit

Component list

Core Kit: RB5 Gen 2 mainboard
Development board based on the Qualcomm® QCS8550 processor

- 1× 12V wall power supply
- 1× USB Type-C cable
- 1× Micro USB cable
- 2× Mini speakers
- 1× Pick tool for setting switches

Vision Kit:
Core Kit plus Vision Mezzanine and camera accessory

- 1× Core Kit
- 1× Mounting bracket for CSI cameras
- 1× High-resolution CSI camera
- 1× Low-resolution CSI camera

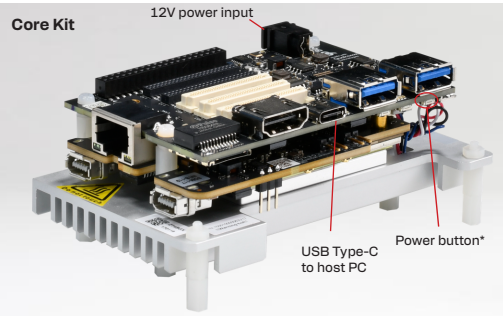
Setup overview

For Vision Kit: Ensure plastic lens cap on main camera and sticker on tracking camera is removed.

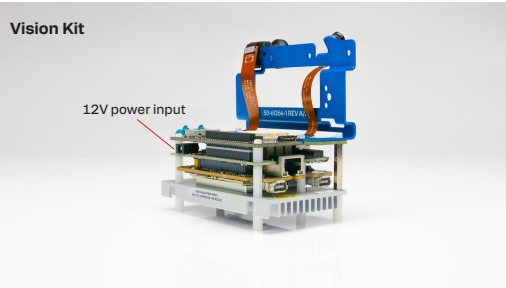
Product info

For more product overview and setup detail, please visit:
qualcomm.com/rb5-gen2

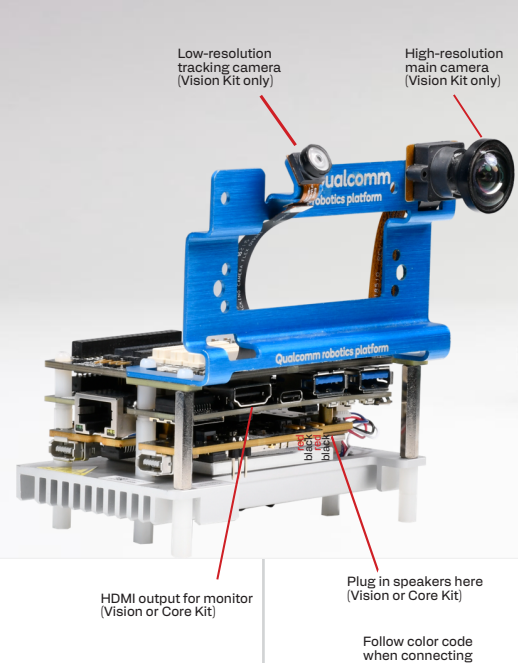
- 1a. Plug in power cable
- 1b. Connect a USB Type-C cable to host PC or press and hold the power button for 2 seconds



* only needed if not connecting USB to host PC (hold button 2 seconds)



- 2. Connect audio and video attachments



- 3. (OPTIONAL) For serial terminal debugging, connect a Micro USB cable to host PC

