

Quick Start Guide

made with
Qualcomm
Technologies

MRD5165 EAGLE KIT

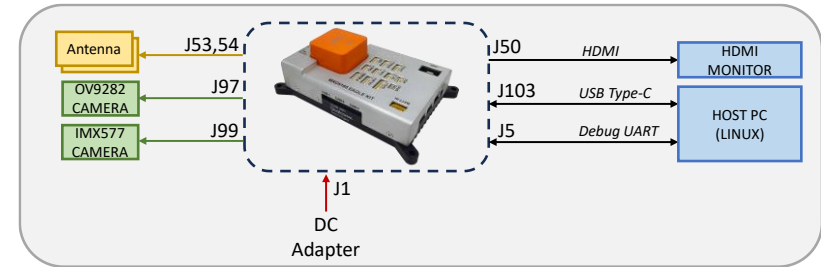


MISTRAL
an AXISCADES company

SET UP

The Quick Start Guide provides easy instructions for the initial hardware & software setup of the MRD5165 Eagle kit from Mistral.

Here is a representation of connections to be made for test setup.



Let's do more!!

Visit www.mistralsolutions.com to register your MRD5165 Eagle kit & get access to the detailed documentation and resources for Eagle Kit.



Scan this QR code for latest updates on the MRD5165 Eagle kit.

ACCESSORIES REQUIRED

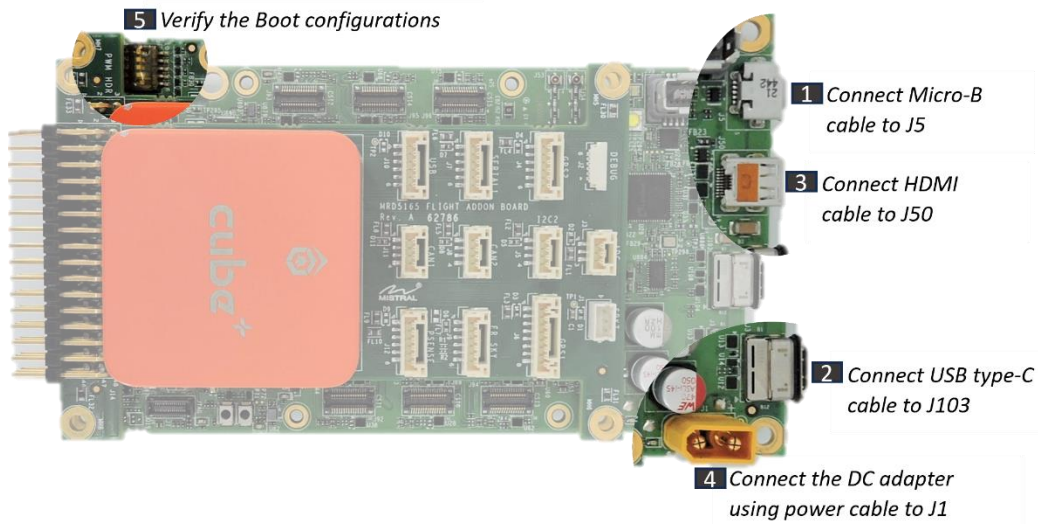
The MRD5165 Eagle Kit contains:

- ❖ MRD5165 Main board
- ❖ MRD5165 Flight Control Unit
- ❖ Basic Accessories Kit
- ❖ Vision Accessories Kit
- ❖ Quick Start Guide

For testing, the following additional accessories are required.

- **USB Type-C cable:** The type-C cable that has been evaluated with the Mistral MRD5165 Eagle kit can be obtained from <https://tinyurl.com/yddu2p5j>
- **Type-C DP Display**
- **HDMI Cable**

HARDWARE SETUP



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POWER UP & BOOT

1. Connect the cables as mentioned in Page 4
2. Switch on the main power
3. During the boot process, the debug prints will be available on the serial console.
4. On successful booting, the Type-C display will show a display of pattern print.
5. The pre-programmed board boots up to host a Wireless Access-point with SSID "Eagle-Kit XXXXXXXX". XXXXXXXX would be replaced with the board serial number. The password for this network is "1234567890" (without quotes).

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SERIAL Console setup

Serial Emulation Tool

- Minicom is a terminal emulation that can access a serial console enabling the configuration of bootloader or file system of the board. It is a simple terminal program, easy to configure and use. It can be downloaded and installed from your Linux distribution.

- **Serial Port setup parameters**

Bps/Par/Bits : 115200 8N1

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SOFTWARE SETUP

UBUN-2.0

The board is factory programmed with the latest release of Ubuntu from Qualcomm. Please refer to the following documents.

- MS_MRD5165_EAGLE_KIT_USER_GUIDE_SW: - This document provides details on the software features, drivers/peripherals and sample examples for the same.
- MS_MRD5165_EAGLE_KIT_USER_GUIDE_Programming: - This document provides procedure for programming / flashing the software binaries to the kit.

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