PIXHAWK 4:

About Pixhawk 4: <http://www.holybro.com/product/55>

Pixhawk 4: User’s guide: <https://docs.px4.io/en/flight_controller/pixhawk4.html>

Pixhawk 4: Flight Controller video introduction: <https://www.youtube.com/watch?v=nEMllpEfzv4>

<https://www.youtube.com/watch?v=IUX5FAI1pX4> << from SparkFun

Optimized to run PX4 ver. 1.7 ( or latest PX4 autopilot firmware) and QgroundControl.

PX4 User’s guide: <https://px4.io/user-guide-2/>

QGroundControl: <https://docs.qgroundcontrol.com/en/>

Pixhawk 4 Technical DataSheet: <https://github.com/PX4/px4_user_guide/raw/master/assets/flight_controller/pixhawk4/pixhawk4_technical_data_sheet.pdf>

Price: $211 (<https://shop.holybro.com/pixhawk-4beta-launch_p1089.html>) come with Pixhawk Kits.

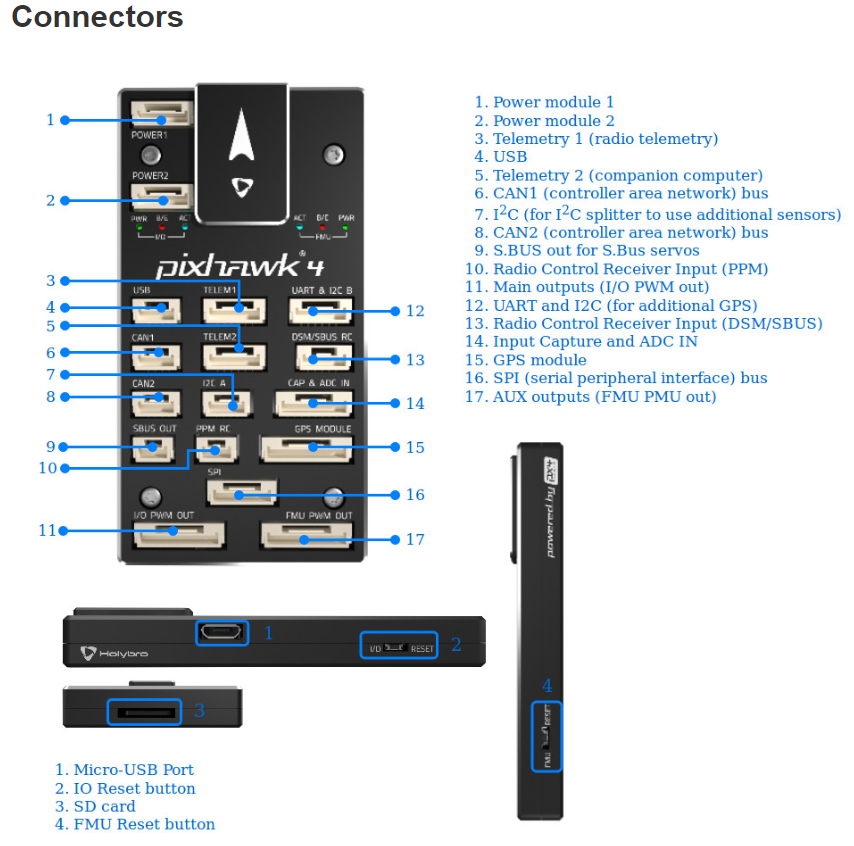
Power supply

* Using 4.9 – 5.5 V power supply which is the same as OEM1500.
* Absolute max rating: 4.1 – 5.7V
* Not working but undamaged: 0 – 10V.

Weight: 15.8g

Dimension: 44x84x12mm

Assembly/Set up: <https://docs.px4.io/en/assembly/quick_start_pixhawk4.html>



Pixhawk Pin Out Connectors: <http://www.holybro.com/manual/Pixhawk4-Pinouts.pdf>

Building firmware:

Most users will not need to build this firmware! It is pre-built and automatically installed by QGroundControl when appropriate hardware is connected.

Pre-built firmware with PX4-professional autopilot: <https://dev.px4.io/en/setup/building_px4.html>

QGroundControl: <https://docs.qgroundcontrol.com/en/>

QGroundControl provides full flight control and vehicle setup for PX4 or ArduPilot powered vehicles. It provides easy and straightforward usage for beginners, while still delivering high end feature support for experienced users.

**Key Features:**

* Full setup/configuration of ArduPilot and PX4 Pro powered vehicles.
* Flight support for vehicles running PX4 and ArduPilot (or any other autopilot that communicates using the MAVLink protocol).
* Mission planning for autonomous flight.
* Flight map display showing vehicle position, flight track, waypoints and vehicle instruments.
* Video streaming with instrument display overlays.
* Support for managing multiple vehicles.
* QGC runs on Windows, OS X, Linux platforms, iOS and Android devices.

Actually, for Pixhawk 4, using QgroundControl is better than Mission Planner

{ Note:

Connect Mission Planner to AutoPilot- Pixhawk 4 using USB cable.

Guide: <http://ardupilot.org/copter/docs/common-connect-mission-planner-autopilot.html>

Mission Planner- Home page for Window: <http://ardupilot.org/planner/index.html#home> }