



# MX250/MQ250 RACING DRONE

## Highlights

- ARTF drone kit, traversing style frame, agile and swift
- High performance MindPX flight controller with 168MHz floating point processor, super fast and accurate
- rich interfaces support powerful customization
- Support both optical flow camera & GPS



## Physical (MX250/MQ250)

Wheelbase	250mm diagonal	GPS	optional
Height	80mm	Optical flow	optional
Motors	brushless(1806-2300kv)x4	FPV camera	800TVL PAL/NTSC (optional)
Propellers	5030 x2, 5030R x2	Video transmitter	5.8GHz 32CH(optional)
Battery	2200mAh / 3S	Weight	400g (without battery)
Max. speed	~70km/h		

## Flight modes and professional setup

Multiple flight modes for various scenarios, including: Manual, Altitude control, Position control, Acro, and Rattitude mode. Full functional ground station supports professional setup and fine tune.

## Rich interfaces enable powerful customization

MindPX controller exposes a rich set of interfaces which can enable your powerful customization and personalization of your drone. No limits on your mind.



### Fast and accurate

The powerful MindPX flight controller with 168MHz floating point processor ensures the racing drone super fast and accurate response to pilot's commands, brings pilot unusual experience of speed racing.

### Dual-redundancy IMU sensors

MX/MQ250 has 2 accelerometers (MPU6500 & LSM303D), 2 gyroscopes (MPU6500 & L3GD20H), and 2 compass (HM5883 & LSM303D), for high reliability of professional level. One set of IMU is on vibration isolated IMU board, and the other set is on main board.

### GPS & Optical positioning

Hover is just easy as one button push. MX250/MQ250 supports both GPS & optical positioning technology, so that it can hover either at outdoor or indoor when GPS signal is not available.

## Ground station

QGroundControl is a professional customization, configuration and controlling ground station software system for MX/MQ250. QGroundControl is open source and free to use.

Through QGroundControl, hundreds of parameters of the MindPX flight controller can be configured and fine tuned to achieve best performance for any customized system.



## More information

Please visit [www.mindpx.net](http://www.mindpx.net) for more detailed information about MX250/MQ250. You can also send inquiries to [support@mindpx.net](mailto:support@mindpx.net) for any help.