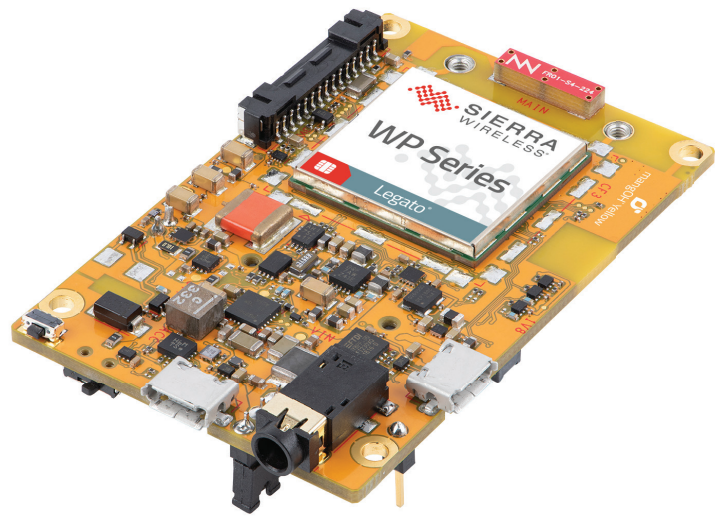


# mangOH® Yellow

Open hardware sensor-to-cloud  
platform for IoT

## IDEA to PROTOTYPE to PRODUCT



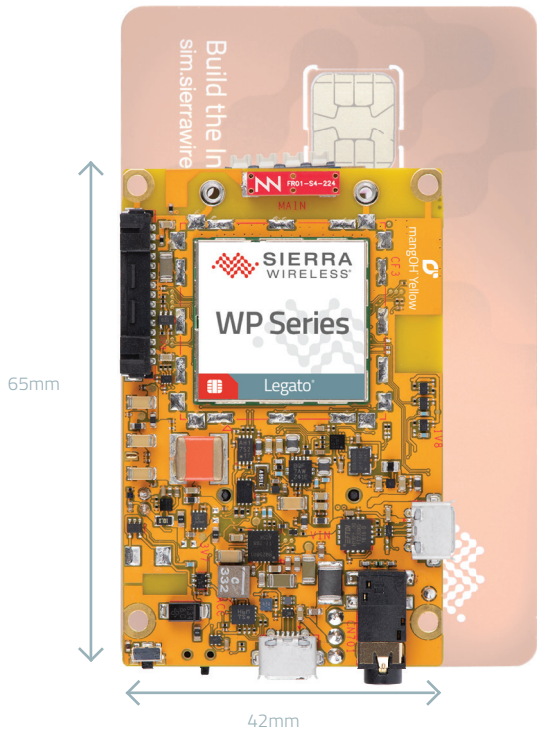
Designed for cellular-enabled IoT applications, mangOH® Yellow is the smallest low-power sensor-to-cloud open source hardware platform for prototyping ideas and getting them to production quickly. mangOH makes it easy to develop industrial-grade products with vetted components, open source software (Legato®), and a business-friendly open license enabling users to modify and reproduce the design.

Using the WP Series modules with embedded SIM (Ready-to-Connect) from Sierra Wireless, mangOH Yellow is pre-connected to mobile networks around the globe. mangOH Yellow is pre-integrated with Octave™, ensuring your data can be securely extracted, orchestrated, and acted on from your assets at the edge to the cloud.

mangOH Yellow lets you add any combination of wired, wireless, and sensor technologies. Using the 15-pin IO connector and IoT expansion cards, you can multiply your options for higher integration. Delivering 90% of your wireless prototype and data infrastructure before you even begin, mangOH Yellow lets you bring your products to market sooner.

## mangOH® Yellow

Build low-power IoT devices that can run for 10+ years with the newest and smallest mangOH platform, purpose-built for sensor-to-cloud applications.



- Build IoT applications, as small as wearables, with minimal size restrictions
- Snap-in socket to add any CF3®-compatible modules, including wireless modules (2G to 4G & LTE-M/NB-IoT)
- Built-in Wi-Fi b/g/n and Bluetooth 5.0 BLE, Bluetooth Mesh, NFC tag
- Built-in antennas for cellular, GPS, Wi-Fi, Bluetooth and NFC
- Built-in accelerometer, gyroscope, magnetometer, pressure, humidity, acoustic mic, air index quality, temperature, and light sensors
- Battery charger and battery monitor
- Multiple LEDs, buzzer and touch button
- IoT Expansion Card slot to plug in any technology based on the IoT Expansion Card open standard
- 15 pin IO connector, SD card, 2-way audio connector
- 3D-printable case designs available

### HARDWARE HIGHLIGHTS

- Includes a cellular modem for wirelessly connecting your IoT applications over a mobile network
- Powerful ARM-based application processor with GNSS receiver
- Multiple built-in sensors
- Can be powered by a battery for low-power wireless applications

### SOFTWARE HIGHLIGHTS

- Pre-integrated with the open source Legato Linux platform for application-level development
- Robust connectivity APIs let you access cloud and network services such as voice calls, SMS, data, radio controls
- Maintained Linux distribution based on the long-term supported Linux kernel (LTSI) hosted by the Linux Foundation

### CLOUD & CONNECTIVITY

- 100MB of data with Sierra Wireless Smart SIM (pre-integrated in WP Series modules)
- Device and SIM management provided through AirVantage®
- Octave data orchestration platform from Sierra Wireless (3-month subscription included)
- Connect to your cloud infrastructure