

# HOW IOT WORKS

6 THOUGHTS FROM UBIDOTS TO GUIDE YOUR IOT DEVELOPMENT



## HARDWARE

How will you capture data?

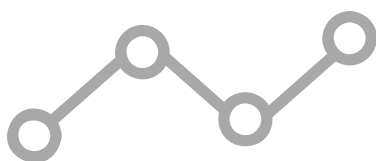
**Devices, Sensors, and Actuators** (e.g. temp, pressure, light, amplitude, etc.).



## CONNECTIVITY

How will you connect to the Internet?

**Choose a connectivity protocol based on environment:** Ethernet, Wi-Fi, Cellular, SigFox, LoRaWAN, Zigbee, etc.



## SENDING DATA

How will you get your sensor data from the device to cloud?

**Connect device to cloud with over 50+ firmware libraries:** send data with HTTP, MQTT, UDP, and TCP



## STORAGE

How will you store and manage your device's data?

**Optimized Time-Series Backend:** store, manage, and recall device and variable data with minimal latency



## VISUALIZATION

How will you transform raw data into insights?

**Make sense of your data with visualizations and alerts.** Display charts, tables, maps, metrics, and indicators to give your data value.



## DESIGN & USERS MANAGEMENT

How will you distribute your data and insights?

**Customize** user access, app logos, colors, icons, permissions, and more.

Sign up for Ubidots and Build your own IoT App!