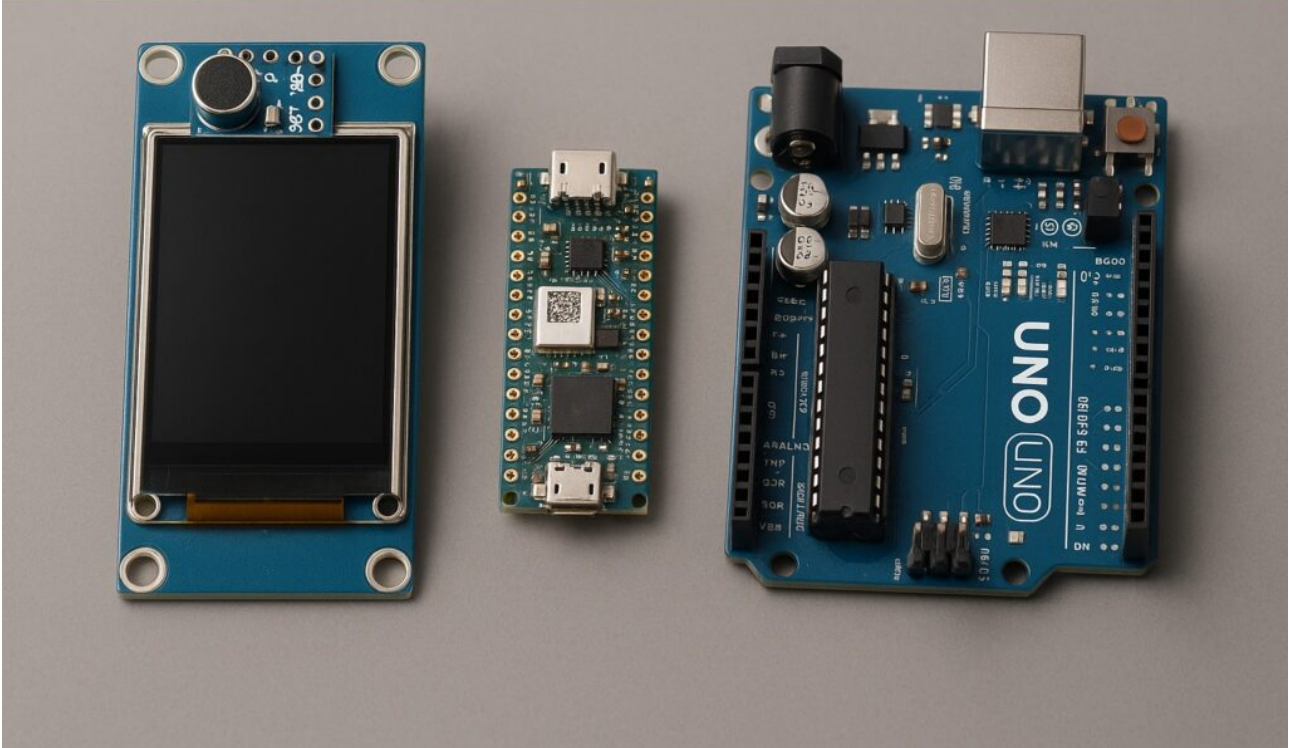


## Practical case: Real-time I2S audio spectrum analyzer

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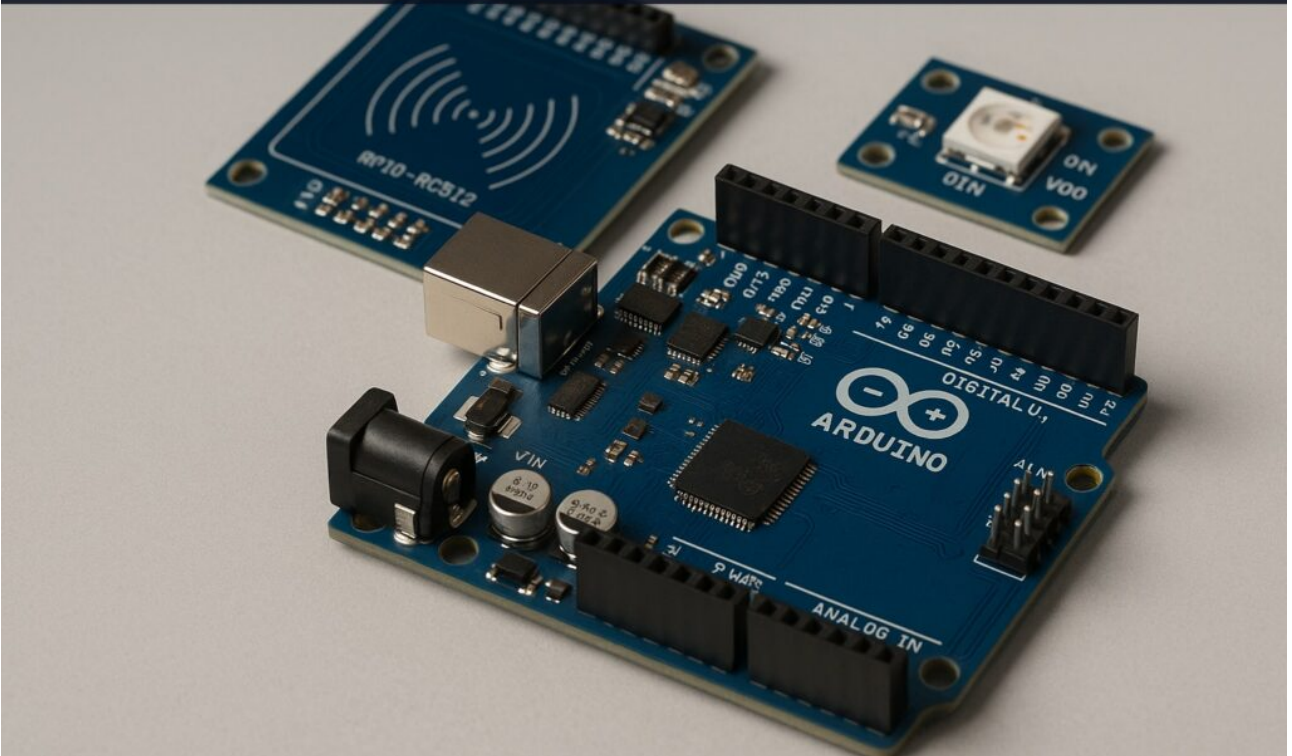


Create a real-time audio spectrum visualizer using Arduino Nano RP2040 Connect, INMP441 mic, and ILI9341 display. Follow our advanced tutorial!

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## Practical case: RFID+MQTT on Arduino Uno R4 WiFi+MFRC522

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Build an advanced RFID inventory system with Arduino Uno R4 WiFi, MFRC522, and WS2812B LEDs. Learn MQTT integration and command-line setup.

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## Practical case: Arduino MKR WAN 1310 LoRaWAN water level

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Learn to build a LoRa water level telemetry system using Arduino MKR WAN 1310, JSN-SR04T, and INA219 for real-time monitoring and diagnostics.

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## Practical case: BLE gesture gamepad on Arduino Nano 33 BLE

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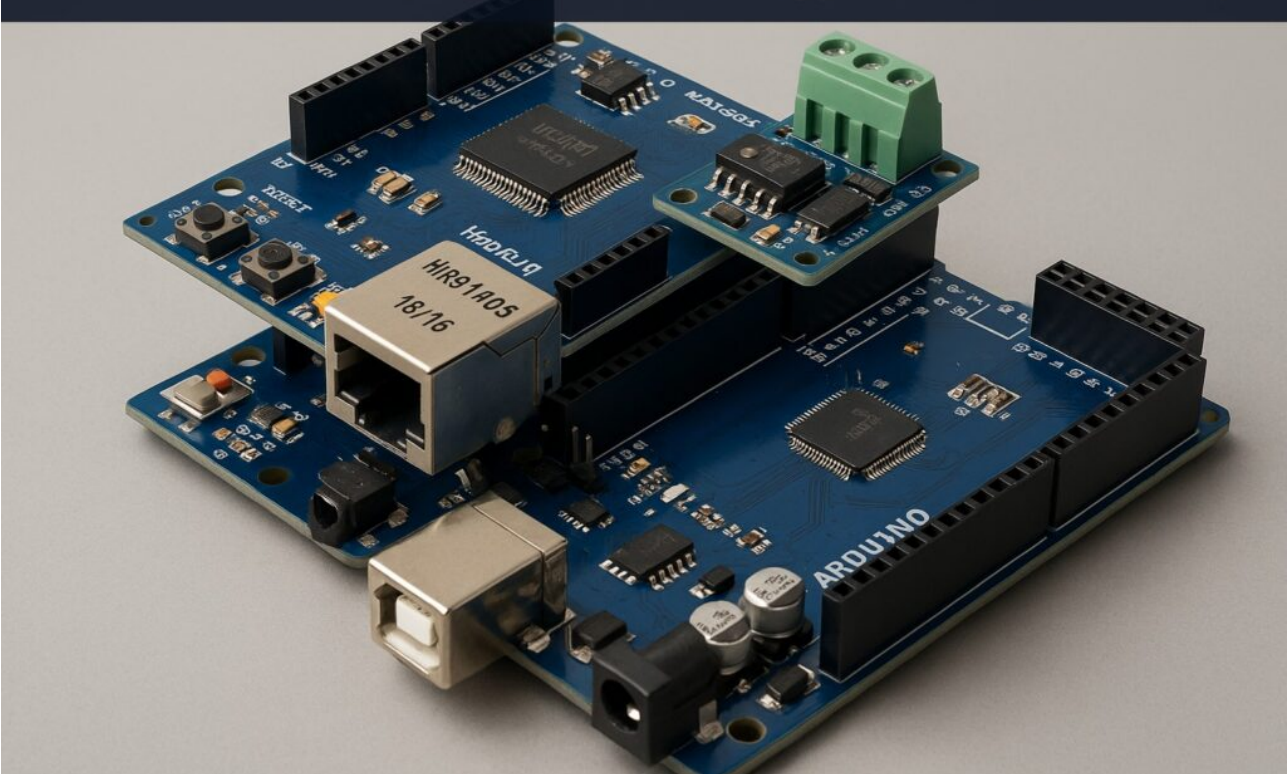


Learn to create a BLE gesture gamepad using Arduino Nano 33 BLE, APDS9960, and MPU6050. Stream gamepad states via hand gestures and tilt!

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## Practical case: Arduino Mega Modbus Logger (W5500, MAX485)

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Learn to build a reliable Modbus energy logger with Arduino Mega 2560, W5500 Ethernet Shield, and MAX485. Capture data and expose it via HTTP.

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## Practical case: NFC access via WiFi on Arduino Nano 33 IoT

