

## Practical case: ESP32 I2S spectrogram INMP441 & WS2812B

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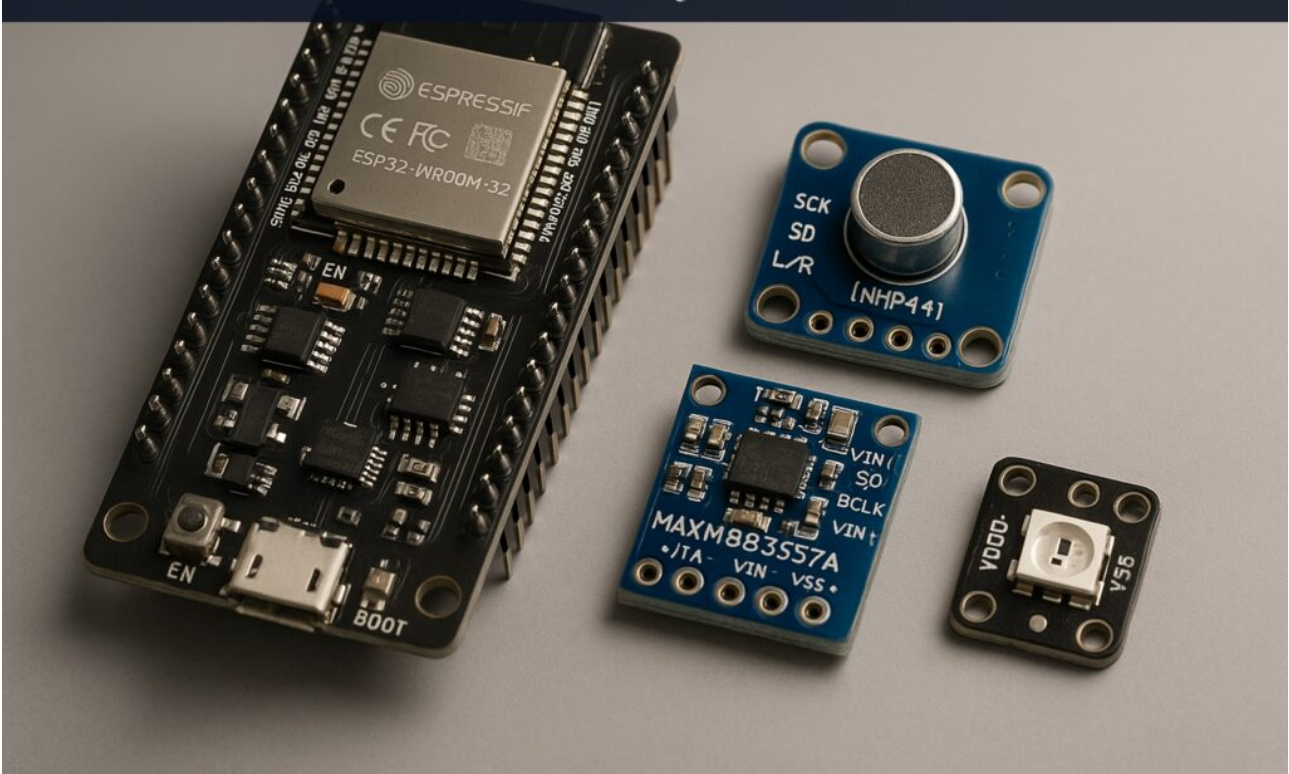


Build a real-time audio spectrogram on ESP32 with WebSocket streaming and NeoPixel visualization. Perfect for advanced DIY enthusiasts!

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## Practical case: ESP32 anomaly detection with I2S+MQTT

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Explore advanced I2S anomaly detection on ESP32 with MQTT alerts, audio feedback, and LED indicators. Hands-on guide with full source code!

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## Practical case: ESP32 TWAI/CAN↔MQTT Gateway (SN65HVD230)

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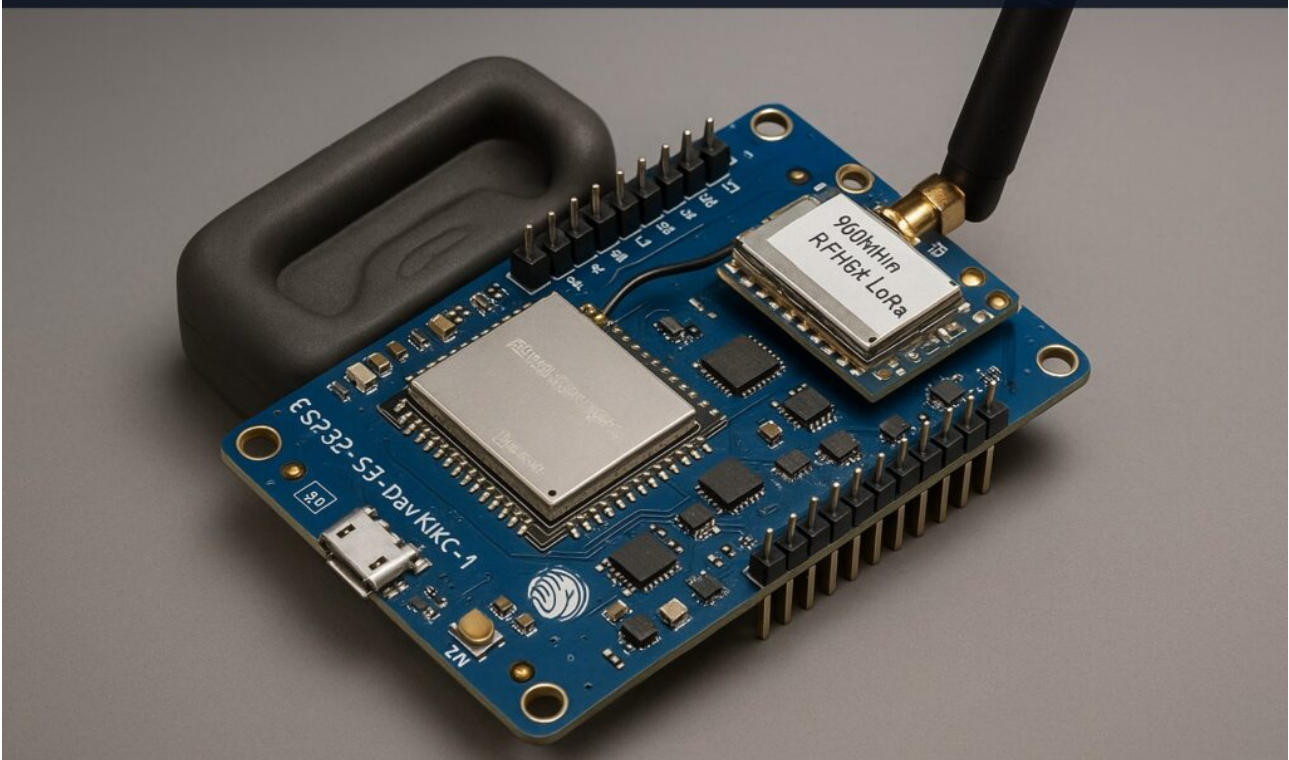


Build a robust TWAI/CAN-to-MQTT gateway using ESP32-WROOM-32, SN65HVD230, and SSD1306 OLED. Ideal for advanced users seeking reliable connectivity.

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## Practical case: Predictive vibration with LoRa & ESP32-S3

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Discover how to implement a LoRa predictive vibration sensing system using ESP32-S3, ICM-42688-P, and ATECC608A with detailed guidance.