

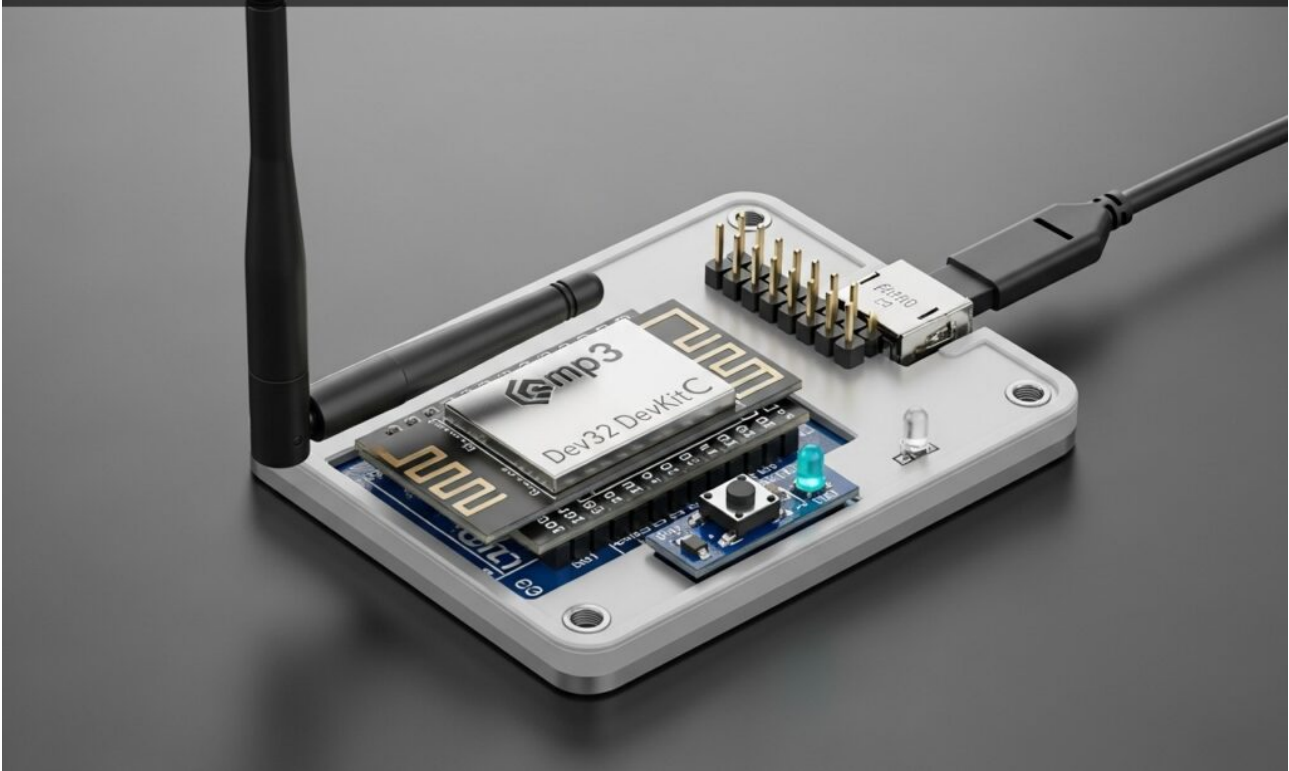
Practical case: ESP32 Secure Access Panel



A functional prototype of a secure access panel utilizing the ESP32's built-in capacitive touch sensing, visual LED indicators, and acoustic buzzer feedback....

Practical case: ESP32 BLE Presence Beacon

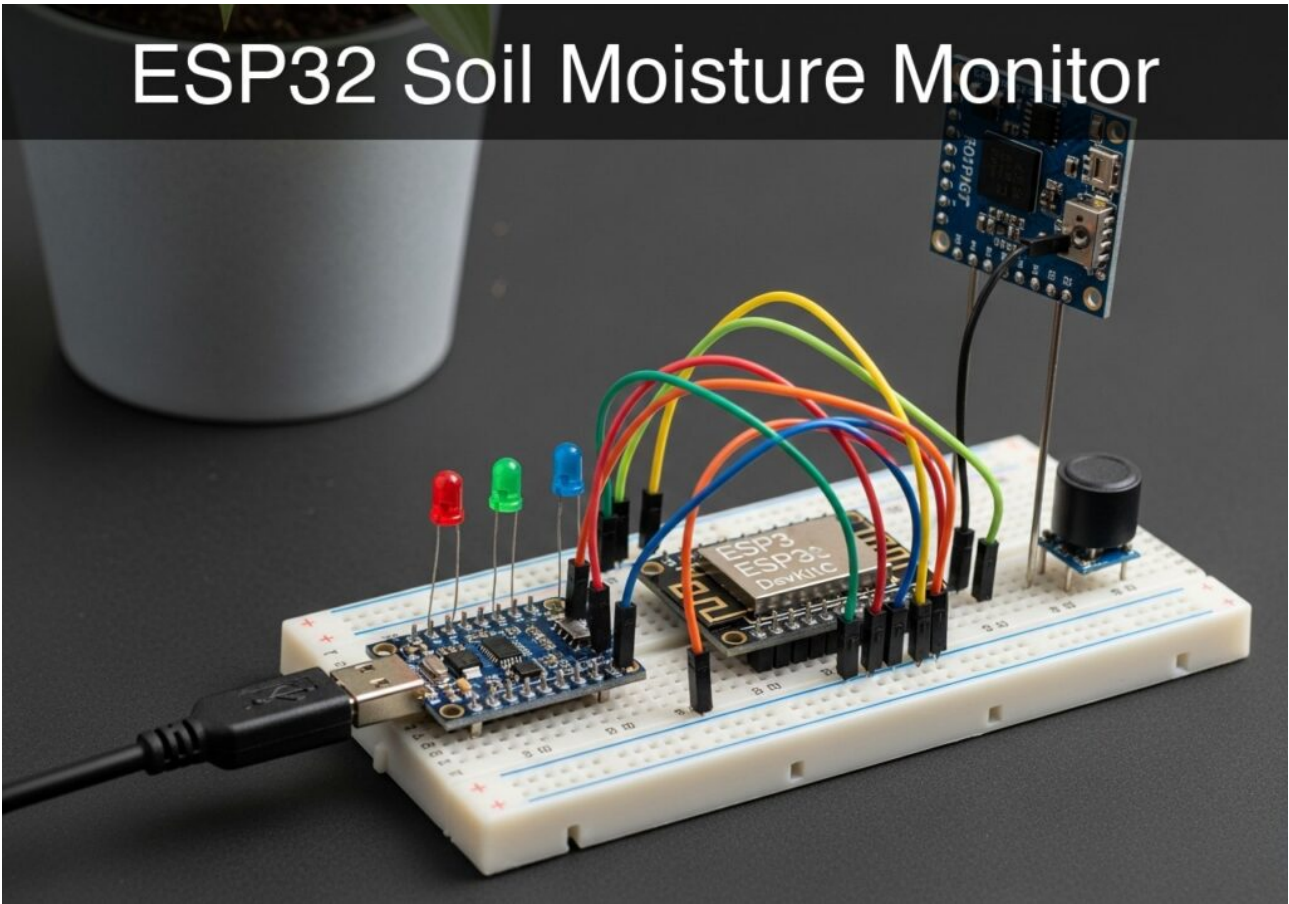
ESP32 BLE Presence Beacon



A standalone Bluetooth Low Energy BLE room presence beacon that broadcasts occupancy status, toggled via a physical pushbutton and displayed locally via a...

Practical case: ESP32 Soil Moisture Monitor

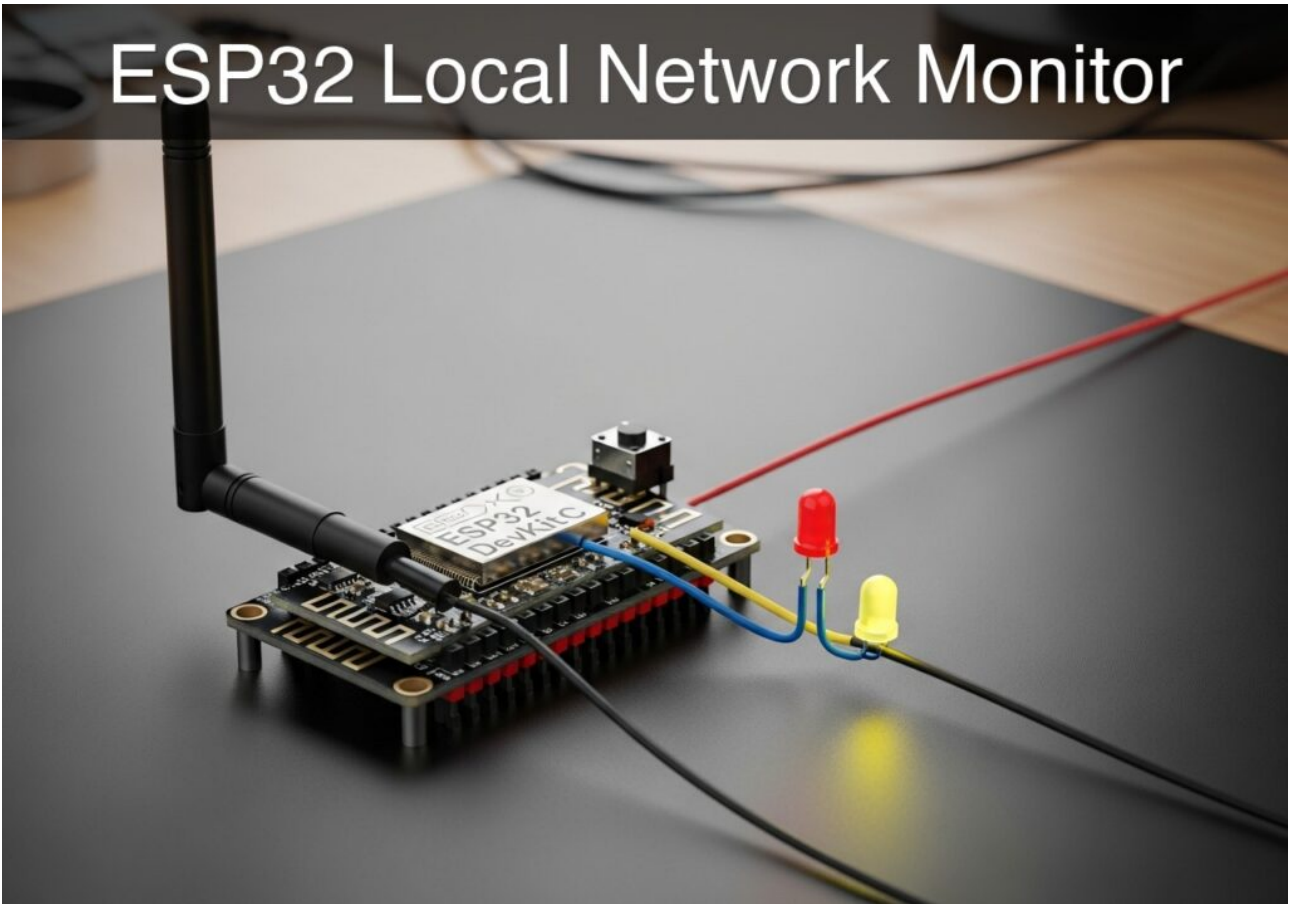
ESP32 Soil Moisture Monitor



A continuous plant hydration monitor that measures soil moisture using an analog capacitive sensor, triggering local visual and audible alerts when watering...

Practical case: ESP32 Local Network Monitor

ESP32 Local Network Monitor



A standalone Field Technician's Local Network Monitor using an ESP32 configured as a Software Access Point SoftAP . It broadcasts a secure, localized Wi-Fi...