

#### Weather monitor product design specifications

- ESP32 feather microcontroller, or ATmega328P
- Input sensor: DHT11 Temperature and humidity sensor module
- Input sensor: KY-022 IR receiver module
- Input: IR remote control - XIITIA
- Input sensor: LM393 raindrop sensor
- Output: LCD1602 display
- Output: LED
- Output: KY-012 active buzzer
- Output: 1 Motor Driver Board (e.g., Adafruit 2927)
- Output: 1 Stepper Motor (e.g., Amazon B00PNEQKC0)
- Power: USB
- Arduino IDE