

ESP32 PIN Configuration and Functions (Meter SM-FE102M)

ESP32 Pin No	Pin Name	Pin Fuction
4	(SENSOR_VP) GPIO36	SET input Switch
5	(SENSOR_VN) GPIO39	ATM90E26 IRQ Interrupt
6	GPIO34	ATM90E26 WarnOut: Fatal Error Warning Interrupt
7	GPIO35	ATM90E26 CF1: Active Energy Pulse Output Interrupt
8	GPIO32	ATM90E26 ZX: Voltage Zero-Crossing Output Interrupt
9	GPIO33	MODE input Switch
10	GPIO25	ATM90E26 CF2: Reactive Energy Pulse Output Interrupt
11	GPIO26	ATM90E26 UART RX pin (Should be selected from SW5 Switch to UART Mode)
12	GPIO27	ATM90E26 UART TX pin (Should be selected from SW5 Switch to UART Mode)
13	GPIO14	WiFi LED
14	GPIO12	RUN LED
16	GPIO13	MAX485 TXRX Control pin for MODBUS (RS485)
23	GPIO15	MODBUS LED
24	GPIO2	FAULT LED
26	GPIO4	DHT22 (AM2302) Sensor Data pin
27	GPIO16	MAX485 RO pin (RXD)
28	GPIO17	MAX485 DI pin (TXD)
29	GPIO5	ATM90E26 SPI Chip Select Pin
30	GPIO18	ATM90E26 SPI SCLK
31	GPIO19	ATM90E26 SPI MISO
33	GPIO21	I2C SDA
34	RXD0	Debug/Programming (USB) RX
35	TXD0	Debug/Programming (USB) TX
36	GPIO22	I2C SCL
37	GPIO23	ATM90E26 SPI MOSI