DitroniX.net | STEM Energy Monitors SDK Board Options

IoT Smart Home Energy Automation

Energy Monitors Product Selection

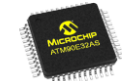**AC or DC**

AC — Mains Monitoring / Monitoring

DC — Solar / Battery Monitoring

12, 24, 36 or 48V Battery

ATM90E Version

MCU Antenna

Standard Mains Monitoring ATM90E32

Advanced Mains Monitoring ATM90E36

or

ESP32-C3-1 — PCB Internal Antenna

ESP32-C3-1U — U.FL External Antenna

IPEC — Standard Mains Monitor and Controller — 1, 2 or 3 Phases (CT Clamps)

IPEM — Advanced Mains Monitor — 1, 2 or 3 Phase & 1 ADC or Neutral (CT Clamps)

IBEM — Battery & Solar Monitor — IBEM-1-ESP32C3-1

IBEM — Battery & Solar Monitor — IBEM-1-ESP32C3-1U

ATM90E32 3 x CTs (E32)

MCU Antenna

ATM90E32 3 x CTs (E32) 1 x CT ADC(ESP32)
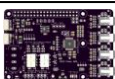
ATM90E36 3 x CTs (E36) 1 x CT Neutral (E36)

ESP32-WROOM-E — PCB Internal Antenna

ESP32-WROOM-UE — U.FL External Antenna

IPEC — IPEC-1 ESP32E — ATM90E32

IPEC — IPEC-1 ESP32UE — ATM90E32

**DitroniX.net
GitHub.com/DitroniX
hackster.io/DitroniX**

STEM — Science · Technology · Engineering · Math

MCU Antenna

IPEM PiHat *for* **Raspberry Pi**

ESP32-WROOM-E — PCB Internal Antenna

ESP32-WROOM-E — PCB Internal Antenna

ESP32-WROOM-UE — U.FL External Antenna

ESP32-WROOM-UE — U.FL External Antenna

IPEM PiHat — IPEM PiHat — **ATM90E32/36**

IPEM — IPEM-1 ESP32E — **ATM90E32**

IPEM — IPEM-1 ESP36E — **ATM90E36**

IPEM — IPEM-1 ESP32UE — **ATM90E32**

IPEM — IPEM-1 ESP36UE — **ATM90E36**

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