

## ● Smart meter reading module

Smart meter reading module is self-developed high-end device which takes pictures of the meter by its embedded camera then recognizes the digits in the reading. With Power-bus, this module helps to remotely and intelligently read, monitor and manage meters in real-time.

### Key Features

- Intelligent identification of non-smart meter scale
- Support hybrid connection of both smart and non-smart meter
- Support wired or wireless transmission from terminal to cloud
- Support remote intelligent control
- Mass deploy and management at a scale up to million devices
- Connectivity to various sensors to support real-time on-site monitoring
- Simple implementation, flexible deployment and easy maintenance
- Open system for easy connection to third-party system



# Specification

Category		Specification
CPU	MCU	Espressif Systems ESP32 Xtensa 32-bit LX6
	Frequency	2-60MHz
	Wireless	2.4GHz Wi-Fi and Bluetooth
	Process	40nm
Camara OV2640	UXGA	1600 x 1200
	Output Format 8-bit	YUV 422/420 / YCbCr422 RGB565/555
	Pixel	200W
	Focal length	3.2 meters
	Aperture	2.8
	Field of view	60°
Others	Power type	POWERBUS
	Input voltage	24V
	Current	10mA
	Operating temperature	-25°C~70°C
	Certification	IEC II 3G Ex ic IIC T6 Gc

