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DATASHEET

Universal HaLow Meter Module

AWMHU5-001

A versatile IoT solution integrating Wi-Fi HaLow wireless technology



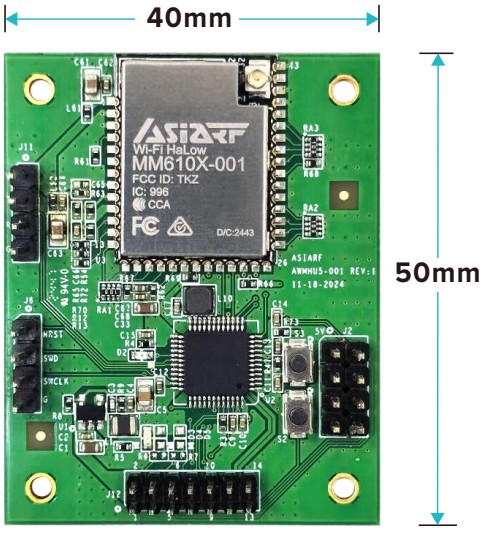
Description

A versatile IoT solution integrating Wi-Fi HaLow wireless technology.

- **Wi-Fi HaLow Chipset :** Morse Micro MM6108
- **Power Supply :** DC 5V
- **Security Protocols :** 64/128-bit WEP, TKIP, WPA, WPA2, AES, WPS
- **Operating Mode :** Client
- **Wireless Standard :** IEEE 802.11ah
- **Microcontroller :** STM32U5x5CI, running at 160 MHz
- **Core Architecture :** Arm® 32-bit Cortex®-M33 CPU with TrustZone®, MPU, DSP, and FPU
- **Model Number :** AWHU5-001

Features

- **Optimized Data Exchange :**
  Utilizes a UART interface for streamlined and efficient communication.
- **Seamless Device Integration :**
  Designed for easy configuration and connection, with flexible GPIOs to support a wide range of applications.
- **Extended Battery Life :**
  Engineered for low power consumption, ensuring battery longevity of at least five years under typical usage—ideal for remote or hard-to-access installations.
- **Long-Range Connectivity :**
  Leverages Wi-Fi HaLow's extended range and high-capacity transmission, enabling reliable sharing of images and video over long distances.
- **Simplified Configuration :**
  Dual-purpose Pin 10 (DP) and Pin 12 (DM) function as both USB Data Plus/Minus lines and HaLow configuration pins for effortless setup.



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