

DATASHEET

IP55 Waterproof Wi-Fi HaLow USB Dongle

HaLowFly

Long-Range Wi-Fi HaLow Connectivity
for Outdoor and Harsh Environment



Description

The **HaLowFly IP55 Wi-Fi HaLow USB Dongle** is a ruggedized, plug-and-play wireless adapter that instantly equips PCs, tablets, industrial devices, and edge systems with **Wi-Fi HaLow™ (IEEE 802.11ah)** connectivity.

Designed for outdoor and industrial deployments, the IP55-rated enclosure provides protection against water, dust, and harsh environmental conditions, making it ideal for smart agriculture, industrial automation, remote monitoring, and smart city applications.

Simply connect the dongle to a USB port to access long-range, low-power Wi-Fi HaLow networks without hardware modifications or device replacement.

Features

- **Plug-and-Play Operation :**
 - Instant USB connectivity
 - No modification required on the host device
 - Supports Windows, Linux, Android, and embedded platforms
 - Easy deployment and maintenance
- **IP55 Waterproof & Dustproof Design :**
 - IP55-rated rugged enclosure
 - Resistant to rain, dust, and moisture
 - Designed for outdoor and industrial installations
 - Suitable for harsh environments and field deployments
- **Instant Wi-Fi HaLow (802.11ah) Support :**
 - Adds HaLow wireless capability to any device with USB
 - Connects directly to HaLow APs or gateways
 - Ideal for IoT, industrial, and long-range wireless applications
- **Secure and Manageable (Model Dependent) :**
 - WPA3 security support
 - Secure device authentication
 - Reliable encrypted communication
- **Long-Range Wireless Connectivity:**
 - Up to 1 km line-of-sight communication
 - Excellent penetration through walls and obstacles
 - Reliable connectivity for warehouses, factories, and outdoor areas
 - Supports large-scale IoT deployments
- **Compact and Portable :**
 - Small USB dongle form factor
 - Lightweight and easy to install
 - Ideal for field engineers and mobile deployment
- **Low-Power Wireless Solution:**
 - AOptimized for battery-powered applications
 - Reduced power consumption compared to conventional Wi-Fi
 - Ideal for sensors and remote monitoring devices

For more detailed information, please contact our sales team: sales@asiarf.com / +886 2 2940 7880

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