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## PRODUCT BRIEF

# HaLowLink 2

Long Range Sub-1 GHz Wi-Fi HaLow

IEEE 802.11ah Sub-1 GHz 1/2/4/8 MHz Bandwidth Wi-Fi HaLow All-in-one Router

## Overview

Introducing the HaLowLink 2, your next generation gateway to harnessing the full potential of Morse Micro's Wi-Fi HaLow. The HaLowLink 2 has been designed to offer increased wireless range and performance in regions across the world.

With its intuitive design and powerful capabilities, setting up a new network that supports Wi-Fi HaLow is easier than ever. The HaLowLink 2 functions as a Wi-Fi HaLow router, access point, and extender, allowing users to quickly create a network optimized for HaLow devices.

Paired with Morse Micro's newest and highest performing MM8108 8MHz chipset, the Wi-Fi Certified HaLowLink 2 unlocks the extended range, low-power advantages of Wi-Fi HaLow, making it ideal for IoT devices and expansive environments. Additionally, when paired with a second HaLowLink 2, it can create 2.4GHz Wi-Fi hotspots far beyond the reach of traditional Wi-Fi, providing robust connectivity for non-HaLow devices.

For more information about the Morse Micro HaLowLink 2 visit: [www.morsemicro.com/halowlink2](http://www.morsemicro.com/halowlink2)

## Technical Specifications

### Hardware features

- Wi-Fi HaLow Module: AzureWave AW-HM677
- 802.11ah Radio: Morse Micro MM8108
- 802.11n Radio: Mediatek MT7603E 2x2 with internal antennas
- CPU: Mediatek MT7621
- Memory: 256 MB DRAM
- Storage: 32MB NAND Flash
- TX power: Up to 26dBm
- Power: 5V...2A
- Dimensions: 88 x 68 x 24mm
- Temperature range: 0 - 40°C
- Operating Humidity: 5% - 95%, non-condensing

### Software features

- Based on OpenWrt 23.05
- Web UI and SSH/CLI configuration
- Status dashboard
- Wizards for easy configuration
- Streamlined software upgrades via online server

### Interfaces

- 1x USB-C port (power and Ethernet data)
- 2x Gigabit Ethernet ports
- 2.4GHz 2x2 Wi-Fi (802.11n)
- HaLow Wi-Fi (802.11ah)
- Mode button

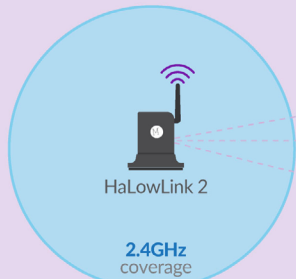
### Supported regions

USA, Canada, Australia, UK, Europe, Japan, Singapore, and South Korea.

Note: TX power is limited to 14dbm in EU (inc UK) and 16dBm in Japan

## Use cases

HaLowLink 2 isn't just about connectivity, it's about redefining what's possible in long-range, low-power networking.



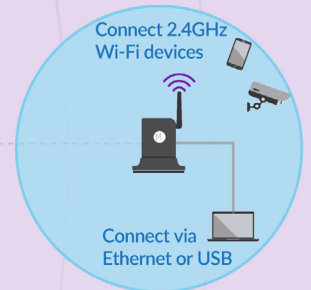
### 1 Connect Wi-Fi HaLow enabled devices

Connect Wi-Fi HaLow devices up to 10x farther than all other Wi-Fi



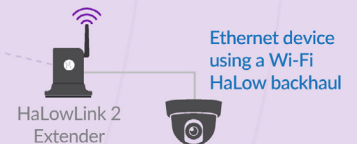
### 2 Connect devices to Wi-Fi HaLow networks

Use HaLowLink 2 to connect legacy devices to Wi-Fi HaLow networks extending their usable range. Connect to HaLowLink 2 via 2.4 GHz Wi-Fi, Ethernet or USB

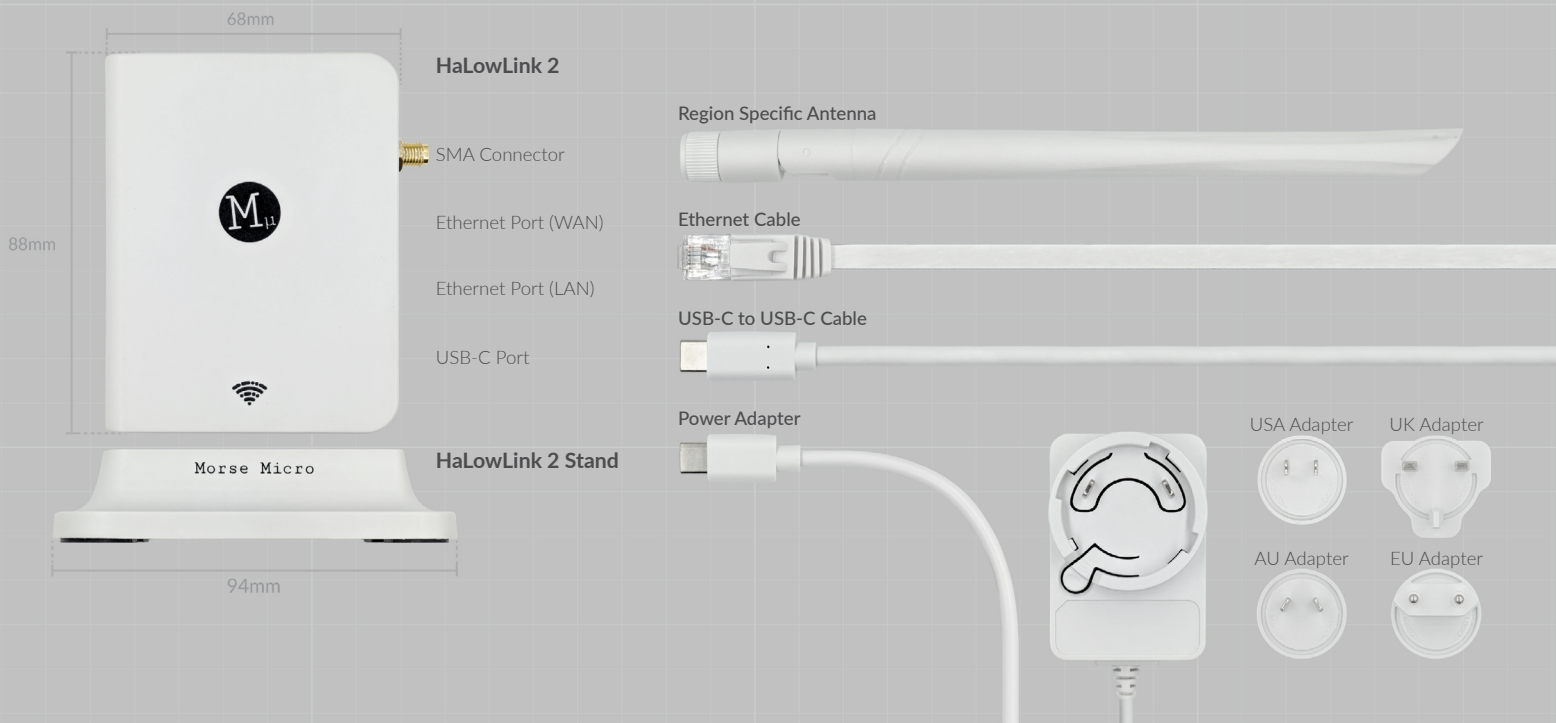


### 3 Virtual Wire

Replace Ethernet cables with 2x HaLowLink 2 devices for long-range wireless connectivity over Wi-Fi HaLow



## What's in the box



For more product information:  
[www.morsemicro.com/halowlink2](http://www.morsemicro.com/halowlink2)

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