

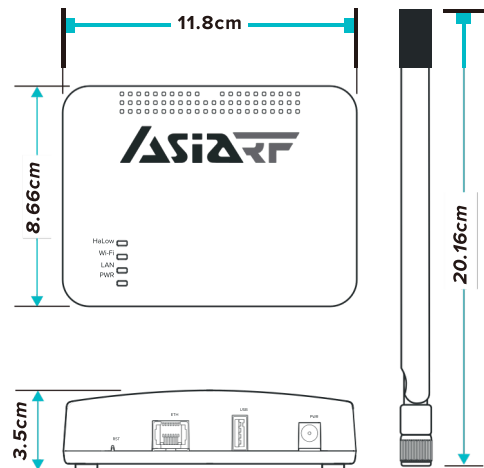
Wi-Fi HaLow 1st-Certified Gateway

ARFHL-WHM



Description

Introducing ARFHL-WHM, a compact 11.8(L) x 8.66(W) x 3.5(H) cm IoT gateway for industrial control, supporting Wi-Fi 4 & HaLow 802.11ah. With versatile connectivity options and dual-band technology, it excels in IIoT connectivity. The gateway covers over 1 km, 10x farther than 2.4 GHz Wi-Fi. It supports 8,000+ stable connections, surpassing traditional APs, and ensures robust data transmission at 150Kbps over 1 km. High-speed video streaming enables real-time monitoring in IIoT systems. Advanced Sub-1 GHz RF technology improves signal reach through obstacles, ensuring consistent connectivity in complex industrial structures.



Features

- **Dual-Band Technology:** Integrates both Wi-Fi 4 and Wi-Fi HaLow, ensuring compatibility and high performance across different devices and networks
- **Versatile Connectivity Options:** Empowers industrial networks with AP (Access Point) and Client modes, facilitating seamless integration and scalability.
- **High-Capacity Networking:** Supports over 8,000 stable connections, vastly surpassing traditional Wi-Fi APs in densely populated IIoT environments.
- **Extended Wireless Coverage:** Leverages sub-1GHz frequency and OFDM channels, significantly expanding the range of wireless communication, essential for large-scale industrial setups.
- **Superior Data Transmission:** Offers a robust data rate of 150Kbps over distances exceeding 1 km, ideal for transmitting critical data in expansive industrial areas.
- **High-Speed Video Streaming:** Enables efficient video streaming over various distances, supporting real-time monitoring and surveillance in IIoT systems.
- **Advanced Signal Penetration:** With Sub-1 GHz RF technology, it dramatically improves signal reach through walls and obstacles, ensuring consistent connectivity in complex industrial structures.