

DATASHEET

Wi-Fi HaLow CERTIFICATED Gateway AP7688-WHM



Description

Introducing AP7688-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.



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|--------------------------|---------|
| 1 RESET | 4 RS232 |
| 2 WAN / LAN | 5 POWER |
| 3 USB (Storage & Camera) | |

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 CLI (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 IoT 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.

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

