

RAK7240 WisGate Edge Prime

Thank you for choosing **RAK7240 WisGate Edge Prime** in your awesome IoT Project! 🎉 To help you get started, we have provided you all the necessary documentation for your product.

- [Quick Start Guide](#)
- [Datasheet](#)
- [Supported LoRa Network Servers](#)
- [OpenWRT Recovery Procedure](#)
- [Use the MQTT Broker Like a Pro + Examples](#)
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Product Description

The **RAK7240 WisGate Edge Prime** is an ideal product for large scale LPWAN deployment where cost is essential, however there is no compromises to be made on quality. Its wide range of customization options allow for flexibility when deploying a solution. With its industrial-grade components and high class of ingress protection, it achieves a high standard of reliability.

The Gateway provides for a solid out of the box experience where quick deployment is required. Additionally, since its software and User Interface sit on top of OpenWRT, it is perfect for the development of custom applications (**via the open SDK**).

Thus, the **RAK7240 WisGate Edge Prime**, is suited for any use case scenario, be it rapid deployment or customization with regards to User Interface and functionality.

Product Features

Hardware

- **IP65** industrial-grade enclosure with cable glands
- **PoE** + Surge Protection
- Dual LoRa Concentrators for up to **16 channels**
- Backhaul: **Wi-Fi**, **LTE**, and **Ethernet**
- **GPS**
- SD Card slot

Software

- Built-in LoRa Server
- OpenVPN
- Software and UI sit on top of **OpenWRT**
- LoRaWAN 1.0.3
- **LoRa Frame filtering** (node whitelisting)
- **MQTT v3.1** Bridging with **TLS** encryption
- **Buffering of LoRa frames** in case of NS outage (no data loss)