

RAK7266 – WisGATE SOHO LITE – PRODUCT DATA SHEET

OVERVIEW

The RAK7266 WisGate Soho Lite is a compact indoor LoRaWAN gateway designed for flexible IoT deployments. It features an integrated LTE Cat 1 module with multiple backhaul options, including LTE, WiFi, and Ethernet, making it suitable for environments with or without wired internet access. The gateway supports 8 LoRa channels, includes 2.4 GHz WiFi for easy configuration, and offers Ethernet for reliable wired connectivity. Powered by 12 VDC, it is ideal for smart panels, utility cabinets, and other fixed indoor installations. Depending on the variant, LTE antennas can be internal or external via RP-SMA connectors. Running on WisGateOS 2 or Chripstack OS, the device supports extension modules, a built-in LoRaWAN Network Server, system diagnostics, and WisDM integration for centralized fleet management.

FEATURES

- 8-channel LoRaWAN gateway with SX1302 baseband
- LTE Cat 1 module with internal or external antennas
- Multiple backhaul options: LTE, WiFi, Ethernet
- Easy setup via built-in 2.4 GHz WiFi AP mode
- Powered by 12 VDC for stable indoor use
- Runs on WisGateOS 2 (secure, modular
- OpenWrt-based firmware)
- Supports WisDM for remote monitoring and fleet management



SPECIFICATIONS

Model	RAK7268 / RAK7268CV2
Power Input	DC 12V
Ethernet	RJ45, 10/100 Mbps
Color	Black
SIM Slot	NanoSIM, supports LTE connectivity
TF Card	16 GB pre-installed SD card
Antenna	LoRa: RP-SMA, LTE MAIN: RP-SMA, AUX
LoRa Frequency Bands	EU868 / IN865 / RU864 / US915 / AU915 / KR920 / AS923-1/2/3/4 / EU433 / CN470
LoRa TX Power	Up to 27 dBm
LoRa RX Sensitivity	Down to -139 dBm
WiFi Standard	IEEE 802.11 b/g/n, 2.4 GHz ISM band (channels 1-13)

LIMITATIONS

The RAK7268 gateway is a capable LoRaWAN device but comes with several limitations compared to newer models. It supports only a **fixed 12 VDC power** input and lacks **PoE**, which reduces deployment flexibility. Its LTE connectivity is limited to **Cat 1 modules**, offering lower bandwidth and slower performance than Cat 4, making it less suitable for data-heavy or latency-sensitive applications. However, in IoT projects where multiple gateways are installed and network load is distributed, these limitations are less critical.

WARRANTY

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