



OPERATIONAL DESCRIPTION

This WisGate Edge Pro (and all its varieties) is a full 8-channel indoor gateway, based on the LoRaWAN protocol, with built-in Ethernet connectivity for a straightforward setup. Additionally, there is an onboard Wi-Fi setup (supporting 2.4G Wi-Fi) that allows it to be easily configured via the default Wi-Fi AP mode. The gateway supports LTE uplink communication connections

Power-over-Ethernet (PoE) is supported to serve cases where wall or ceiling mounting is required without the need to install additional power lines.

The open-source software for the management and configuration of this gateway device is based on OpenWRT. It has a built-in LoRa packet forwarder and a graphical user interface, allowing for a quick setup without giving up the freedom of a fully customized solution.

V2 models come with enhanced processing abilities given by the 32 MB NOR flash memory. This allows the devices to run the newest WisGateOS 2.

Product Features

- Full LoRaWAN Stack support in Built-In Server mode
- Supports 2.4 G Wi-Fi AP for configuration
- 100M Base-T Ethernet with PoE
- Multi back-haul with Ethernet and Wi-Fi
- Cellular LTE Cat 4 network (optional, available with C versions)
- BLE connectivity (optional, available with H versions)
- OpenWRT software supports Web UI for easy configuration and monitoring
- Can integrate with both private (e.g. Chirp Stack) and public (e.g. TTN) network servers
- SD card for system logs backup
- Built-in Network Server for easy deployment of applications and integration of gateways
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LoRa	Network	Management
<ul style="list-style-type: none">• Supports class A, C• Supports LoRa package forward- Packet Forwarder- Basics™ Station- RAK Built-In Server• Supports country code setup• Supports TX power setup• Supports data logger• Supports statistic• Supports location setup• Supports server address & port setup	<ul style="list-style-type: none">• Supports Wi-Fi AP mode• Supports uplink backup• Supports 802.1q• Supports DHCP Server/Client• Supports router module NAT• Supports firewall	<ul style="list-style-type: none">• WisDM remote management platform• Supports WEB management• Supports SSH2• Supports firmware update• Supports NTP• Supports configuring the LoRa Packet Forwarder• Supports Build-in LoRa Server• Supports OpenVPN, Ping Watch Dog• Supports MQTT Bridge