WisGate Edge Lite 2

Code: TPX00098

Boost your industrial IoT solutions with a reliable and secure gateway for LoRaWAN®
connectivity with deep indoor coverage, even in multi-story buildings.

Overview

The Arduino Pro WisGate Edge Lite 2 powered by RAKwireless™ ensures secure and
reliable connectivity for a wide range of professional applications and is suitable for
medium-sized to wide area coverage in industrial environments. Its deep coverage
indoors makes it ideal for applications in multi-story buildings – such as apartment
buildings, multi-level parking lots and factories.

It offers an intuitive out-of-the-box user experience for easy setup and diagnostics, as well
as exhaustive tutorials and technical documentation, and comes with an enclosure
designed for efficient cooling and optional DIN rail mounting.

Key benefits include:

- Secure Ethernet, Wi-Fi or LTE connectivity
- Rapid setup and diagnostics, backup and data logging thanks to SD card slot
- Deep coverage indoors, ideal for multi-story buildings
- Enclosure designed for efficient cooling; it allows for wall and DIN rail mounting (optional)
- WisGateOS, powered by RAKwireless™, based on open source OpenWRT and fully customizable
- Ideal to implement private networks directly connected to cloud platforms; compatible with public networks
- Limited cabling for installation thanks to Power over Ethernet (POE)
- Comprehensive technical documentation by RAKwireless™

Tech specs

Processor	MT7628, DDR2 RAM 128 MB 32 MB flash memory
LoRa®	• EU868/US915/AS923/AU915 • LoRaWAN 1.03 stack • LoRa® Packet Forwarder • Basic Station • Network Server • Max Transmit Power 27 dBm • Min Receiver Sensitivity -139 dBm
Interfaces	• Ethernet RJ45 10/10 Mbps • USB • SD-CARD and SIM slots
Connectivity	• IEEE 802.11b/g/n Wi-Fi • LTE (EMEA) • LTE FDD: B1/B3/B7/B8/B20/B28A • WCDMA: B1/B8 • GSM/EDGE: B3/B8 • LTE (USA) • LTE FDD: B2/B4/B5/B12/B13 • WCDMA: B2/B4/B5
Dimensions / Weight	• 66x127x36 mm • 0.3 kg

Software Features	- OpenVPN, Ping Watch Dog - SSH2 - NTP - Router module NAT - Firewall - Wi-Fi AP mode - DHCP Server/Client - MQTT/S Bridging - LoRa® Data Logger - LoRa® Statistics - LoRa® Frame Filtering
Antennas	LoRa® with RP-SMA connector LTE Internal antenna Wi-Fi Internal antenna
Certifications	CE, FCC, ACMA/RCM, UKCA IP 30 rating