

Item no.: 358648

WisGate Edge PRO

from **677,00 EUR**

Item no.: 358648
 shipping weight: 0.70 kg
 Manufacturer: Arduino

Product Description

The Arduino Pro WisGate Edge Pro 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 and remote regions. Its high transmission power and 2x fiberglass antennas with 5dBi gain provide extensive coverage in open environments, making it the perfect fit for IoT commercial outdoor deployment – required for example for parking sensors, remote fleet management, livestock tracking and geofencing, and soil monitoring solutions that maximize crops' yield.

It offers an intuitive out-of-the-box user experience for easy setup and diagnostics, as well as exhaustive tutorials and technical documentation, and includes an on-pole and DIN-rail installation kit.

Complementing the MKR and Portenta SOM boards, the Arduino IoT Cloud platform and the other LoRa® components in the Arduino ecosystem, WisGate Edge Pro enables you to create and deploy complete and industrialized IoT/IIoT and I4.0 applications – wrapping both RAKwireless™'s specific expertise and Arduino's smooth user experience into high-quality solutions that connect your LoRa® devices better than ever, from smart cities to smart agriculture.

Key benefits include:

Ideal for IoT commercial outdoor deployment
 High transmission power and 2x fiberglass antennas with 5dBi gain
 Limited cabling for installation thanks to Power over Ethernet (POE)
 Kit for installation on pole and DIN-rail with included adapter
 Rapid setup and diagnostics, backup and data logging thanks to SD card slot
 Secure Ethernet, Wi-Fi or LTE connectivity
 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
 Comprehensive technical documentation by RAKwireless™

Processor:

MT7628, DDR2 RAM 128 MB 32 MB flash memory 2x SX1303 LoRa mPCIe cards 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 Listen before Talk

Interfaces:

Ethernet RJ45 10/100 Mbps USB SD-CARD and SIM slots

Connectivity:

IEEE 802.11b/g/n WiFi 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:

240 x 240 x 80 mm

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, GPS

Power supply:

12 Vdc, 1A PoE (IEEE 802.3 af), 37~57Vdc

Antennas:

2x LoRa® fiberglass antennas 5dBi gain LTE Internal antenna Wi-Fi Internal antenna

Certifications:

CE, FCC, ACMA/RCM, UKCAIP 67 rating

Operating Temperatures:

-30° C to +55° C (-22° F to 131° F)

Specifications

Scan this QR code to
 view the product

All details, up-to-date
 prices and availability

