

RASPBERRY PI 3B+ Gateway

Industrial MESH Gateway



BENEFITS

- Large communication range thanks to the Mesh network
- Easy to deploy
- Ethernet and Wifi connection
- Autonomous operation



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency	2.4GHz Wirepas Mesh (USB radio dongle module)
Transmission power	Up to +4 dBm (adaptive/smart network)
Range	Up to 100 meters in open field
Max power	2.5 A to +5.1 VDC
Connectivity	4 x USB 2.0 ports 1 x RJ45 Femelle 1 x HDMI Femelle
Configuration	Configuration file "custom.env" available on the microSD card.
OS	WM Raspberry Pi Gateway (Wirepas environment) Booting from the microSD card.
LED indicator	2 LEDs for PWR and RUN indication
Software	Wirepas data flow directed to a Mqtt broker Messages available on Mqtt topics Encapsulation of data in protobuf format

BATTERY

Power supply +5.1 VDC via micro USB connector

CERTIFICATIONS

Europe CE : EN 300 328/ EN 300 330/ EN 301 489 & EN 55032 / EN 62368-1

USA FCC : FCC PART 15

HOUSING

Dimensions 96 mm x 71 mm x 26 mm

Weight 104.1g

Materials ABS (Plastic)

Operating temperature 0°C to +50°C

ACCESSORIES

Power supply unit +5.1VDC
8GB microSD card and SD card adapter
USB Dongle radio module 2.4GHz