

# 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

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

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**BATTERY**

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**Power supply** +5.1 VDC via micro USB connector

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**CERTIFICATIONS**

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

**USA** FCC : FCC PART 15

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**HOUSING**

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**Dimensions** 96 mm x 71 mm x 26 mm

**Weight** 104.1g

**Materials** ABS (Plastic)

**Operating temperature** 0°C to +50°C

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**ACCESSORIES**

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