

Parklio Gateway

Technical Specification



Amplifico d.o.o.

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1 Product Description

Parklio Gateway enables remote control and monitoring of Parklio devices via the Internet. It can monitor and control up to 20 Parklio devices in a radius of up to 90 m. To install the gateway mount it on a standard pole or on a wall and plug in the power. The gateway features an Ethernet connection and a Mobile network connection for remote areas. The gateway is rated for operation in outdoor and indoor environments with temperatures ranging from -20 °C to +60 °C.

After plugging in the gateway and completing the setup the gateway can be used to monitor the state and control any nearby Parklio BLE products.

The packaging includes:

- 1 x Parklio Gateway
- 1 x Pole mount bracket
- 1 x Pole mounting hose clamp
- 4 x M4 Screws for the pole mount bracket
- 3 x Ø6 mm plastic wall plugs with screws (for wall mounting)
- 1 x Ethernet Cable waterproof connector
- 1 x Waterproof Power Connector

2 Technical specifications

2.1 General Specifications

Parameter	Value
Input Voltage	85 VAC ~ 264 VAC 120 VDC ~ 370 VDC
Frequency	47 Hz ~ 440 Hz
AC Current (Typ.)	0.15 A / 230 VAC ⁽¹⁾
Inrush current	40 A / 230 VAC
Working temperature range	-20 °C ~ +60 °C
Working humidity	Up to 90% RH
Ingress rating	IP65
Dimensions	220 mm x 220 mm x 50 mm (H x W x D)
Pole mount diameter	Ø60 mm - Ø100 mm
Weight	750 g
LED	4 status LED's
LAN	10/100BASE-T with waterproof connector
Wireless Connectivity	BLE LTE with 3G/2G fallback
Over-the-Air upgrades	Yes
Antenna interface	Internal BT and 4G/3G/2G antennas
Color	Lava and white grey
Max. supported devices	Max. 20 Parklio BLE devices can be associated with one gateway
Regulatory standards	EN60950-1:2006 + A1:2010 + A11:2009 + A12:2011 EN 300 328 EN 300 440 EN 301 489 - 1 EN 301 489 - 3 EN 301 489 - 17 EN 55024 EN 55032 EN 61000-6-3 EN 61000-3-2 EN 61000-3-3 EN 61000-6-2 EN 61000-4-2 EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 EN 61000-4-11

(1) Parklio Gateway power supply input is protected with a 0.5 A 250 VAC fuse. The fuse is not user replaceable.

2.2 BLE Performance

Parameter	Value
Transmission power	8 dBm
RF Power Accuracy	±2.5 dB
Receiver sensitivity	-93 dBm
Max. simultaneous connections	7
Frequency range	2402 MHz ~ 2480 MHz
Range	50 m in open space
Antenna	Internal PCB mounted antenna
Scanning process	Scan every 15 seconds

2.3 Mobile Network Specifications

The following parameters are given for EMEA⁽²⁾, Korea, Thailand and India regions.

Parameter	Value
LTE-FDD Bands	B1/B3/B5/B7/B8/B20
LTE-TDD Bands	B38/B40/B41 ⁽³⁾
WCDMA Bands	B1/B5/B8
GSM Bands	580/900/1800/1900 MHz
Diversity	Rx Diversity, DL MIMO 2 x 2 ⁽⁴⁾

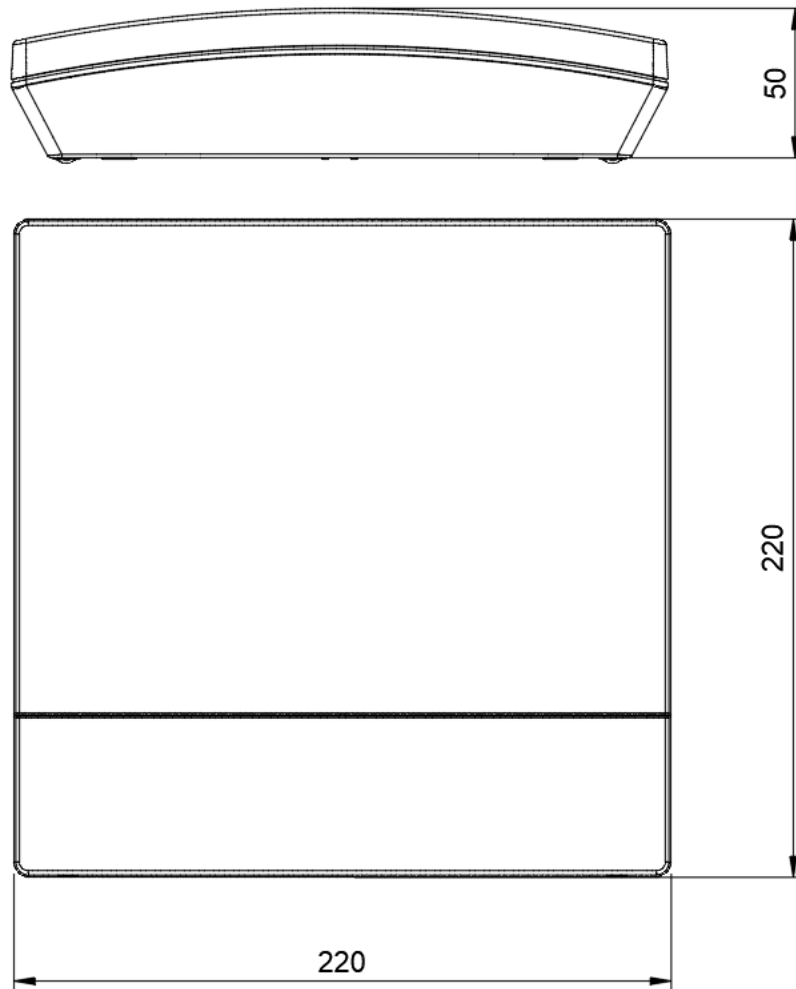
(2) EMEA – Europe, Middle East and Africa

(3) B41 does not support full-frequency and the bandwidth of it is 2555 MHz ~ 2655 MHz.

(4) Rx Diversity is not supported for LTE B5

2.4 Dimensions

Case dimensions:



Case dimensions with pole mount kit:

