

# Parklio Gateway

## Technical Specification



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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
<b>Input Voltage</b>	85 VAC ~ 264 VAC 120 VDC ~ 370 VDC
<b>Frequency</b>	47 Hz ~ 440 Hz
<b>AC Current (Typ.)</b>	0.15 A / 230 VAC <sup>(1)</sup>
<b>Inrush current</b>	40 A / 230 VAC
<b>Working temperature range</b>	-20 °C ~ +60 °C
<b>Working humidity</b>	Up to 90% RH
<b>Ingress rating</b>	IP65
<b>Dimensions</b>	220 mm x 220 mm x 50 mm (H x W x D)
<b>Pole mount diameter</b>	Ø60 mm - Ø100 mm
<b>Weight</b>	750 g
<b>LED</b>	4 status LED's
<b>LAN</b>	10/100BASE-T with waterproof connector
<b>Wireless Connectivity</b>	BLE LTE with 3G/2G fallback
<b>Over-the-Air upgrades</b>	Yes
<b>Antenna interface</b>	Internal BT and 4G/3G/2G antennas
<b>Color</b>	Lava and white grey
<b>Max. supported devices</b>	Max. 20 Parklio BLE devices can be associated with one gateway
<b>Regulatory standards</b>	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
<b>Transmission power</b>	8 dBm
<b>RF Power Accuracy</b>	±2.5 dB
<b>Receiver sensitivity</b>	-93 dBm
<b>Max. simultaneous connections</b>	7
<b>Frequency range</b>	2402 MHz ~ 2480 MHz
<b>Range</b>	50 m in open space
<b>Antenna</b>	Internal PCB mounted antenna
<b>Scanning process</b>	Scan every 15 seconds

## 2.3 Mobile Network Specifications

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

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

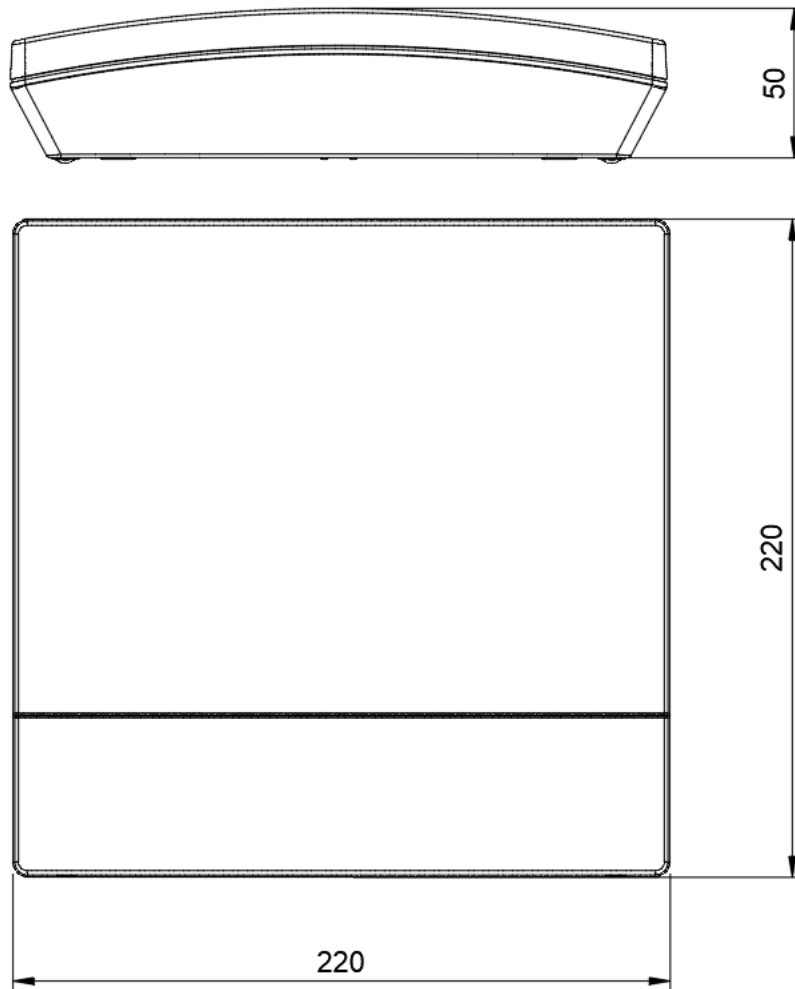
(2) EMEA – Europe, Middle East and Africa

(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:

