



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RaspBee Gateway

Datasheet

- The gateway is the heart of dresden elektronik's wireless light control system. It allows for controlling your lights location-independently by smartphone, tablet and PC.
- The gateway is compatible with dresden elektronik wireless electronic ballasts as well as other ZigBee Home Automation devices like the Philips Hue or 'Friends of Hue'.
- Hardware is based on the Raspberry Pi 3 single-board computer which becomes an Ethernet-ZigBee gateway by attaching our RaspBee add-on module. It is controlled by the deCONZ software installed on a Micro-SDHC card containing a Raspbian Linux distribution.
- The user interface consists of an intuitively usable web interface (web app) which is operated by a browser.
- The scope of delivery includes all necessary parts for getting started controlling your lights wirelessly. The device is shipped fully assembled and pre-configured.
- To benefit from future software releases an automated update mechanism is provided.
- Integrate the gateway into your local infrastructure (i.e. WiFi router) by the included Ethernet cable.
- Control devices (smartphone, tablet, PC) are not part of delivery.



Technical Data

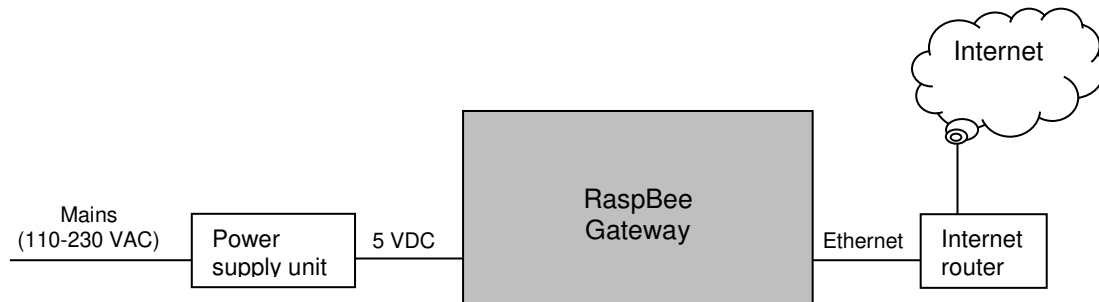
Dimensions	110.0 x 64.0 x 30.0 mm (LxWxH)
Operating temperature	0 to +70°C
Storage temperature	-20 to +80°C
Humidity	0 to 100% r.H. non-condensing
Degree of protection	IP20
Input voltage	4.5 to 5.5 VDC ¹
Input current	1.2 A max.
Certification	CE, FCC
Display elements	5x + 2x LED (Raspberry Pi 3, RaspBee)
Interfaces	Power, LAN ² , 2x USB, HDMI, Audio
Wired communication	IEEE 802.3 100BASE-TX (Ethernet)
Wireless communication	IEEE 802.15.4 (ZigBee), built-in radio module with front-end and integrated antenna
Software	Linux operating system, deCONZ as control and monitoring back end, web browser based user interface

Technical Data

¹ Power supply unit with wide-range input (110-230 VAC) and 4 interchangeable clips for world-wide use included

² Ethernet cable included in delivery

Wiring diagram



Scope of delivery

RaspBee Gateway

Part number

BN-600054

Order Information

Related products

FLS-PP Ip
 FLS-H Ip
 FLS-A Ip
 Scene Switch
 Lighting Switch

BN-600057
 BN-600058
 BN-600078
 BN-600085
 BN-600087

Board options

Wireless Light Control Starterkit

BN-600055

Options

Order online: <https://shop.dresden-elektronik.de>