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.

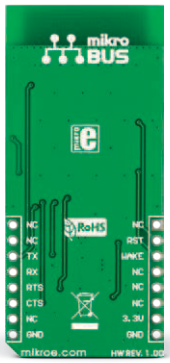
With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC 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!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

WiFly click



1. Introduction

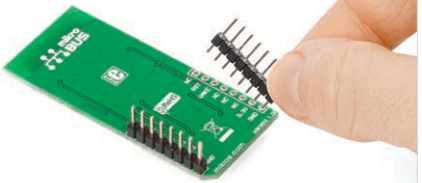
WiFly click carries **RN-131**, a standalone, embedded wireless LAN module. It allows you to connect your devices to **802.11 b/g** wireless networks. The module includes preloaded firmware which simplifies integration. The mikroBUS™ UART interface alone (RX, TX pins) is sufficient to establish a wireless data connection. Additional functionality is provided by RST, WAKE, RTSb and CTSb pins. The board uses a 3.3V power supply only.

2. Soldering the headers

Before using your click board™, make sure to solder 1x8 male headers to both left and right side of the board. Two 1x8 male headers are included with the board in the package.

1

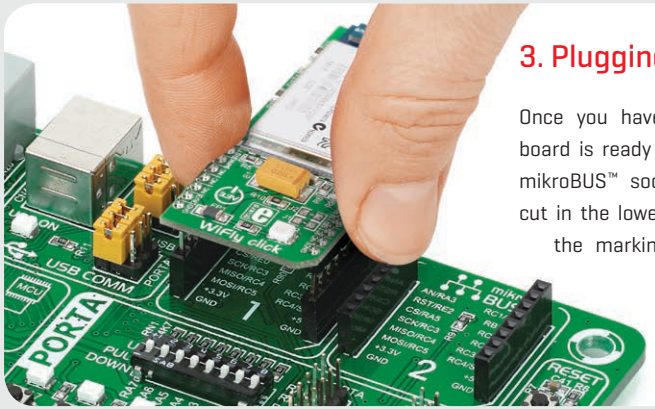
2



Turn the board upside down so that the bottom side is facing you upwards. Place shorter pins of the header into the appropriate soldering pads.

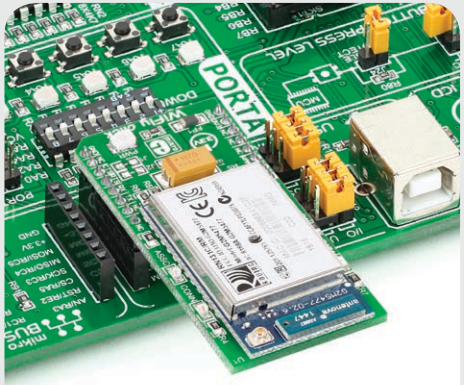
3

Turn the board upward again. Make sure to align the headers so that they are perpendicular to the board, then solder the pins carefully.



3. Plugging the board in

Once you have soldered the headers your board is ready to be placed into the desired mikroBUS™ socket. Make sure to align the cut in the lower-right part of the board with the markings on the silkscreen at the mikroBUS™ socket. If all the pins are aligned correctly, push the board all the way into the socket.



4. Essential features

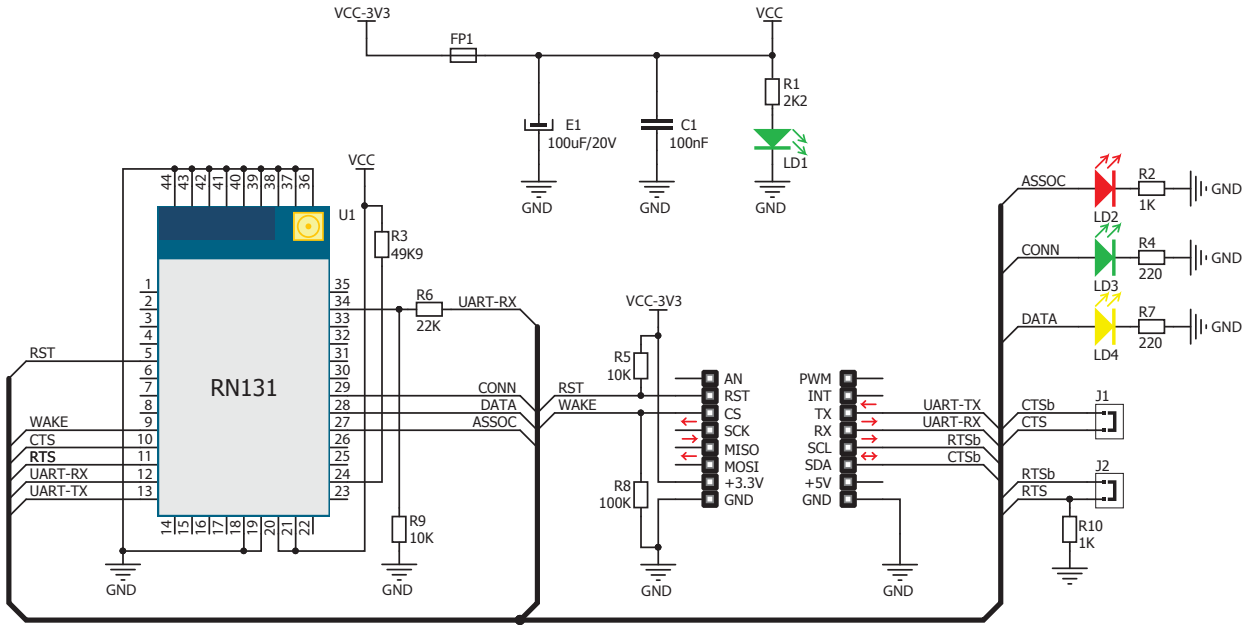
The RN-131 module's firmware makes it easy to set up, scan for access points, associate, authenticate and connect the WiFly click to a Wi-Fi network. The module is **controlled with simple ASCII commands**. It has a multitude of networking applications built in: DHCP, UDP, DNS, ARP, ICMP, TCP, HTTP client, and FTP client. Data rates of up to 1 Mbps are achievable through UART. It contains both an onboard chip antenna and a connector for an external antenna. .

click BOARD™

www.mikroe.com

WiFly click manual
ver 1.00
0100000081976

5. Schematic



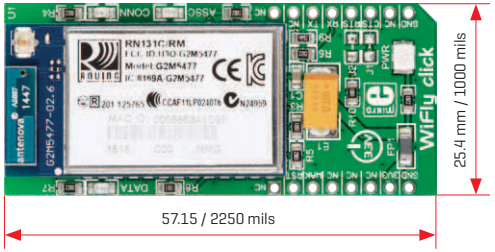
8. Code examples

Once you have done all the necessary preparations, it's time to get your click board™ up and running. We have provided examples for mikroC™, mikroBasic™ and mikroPascal™ compilers on our **Libstock** website. Just download them and you are ready to start.

9. Support

MikroElektronika offers **free tech support (www.mikroe.com/support)** until the end of the product's lifetime, so if something goes wrong, we're ready and willing to help!

6. Dimensions



	mm	mils
LENGTH	57.15	2250
WIDTH	25.4	1000
HEIGHT*	5.33	210

* without headers

7. SMD jumpers

J1 and J2 jumper positions are for enabling or disabling the functionality of RTS and CTS control pins. To put them to use, solder Zero ohm resistors

10. Disclaimer

MikroElektronika assumes no responsibility or liability for any errors or inaccuracies that may appear in the present document. Specification and information contained in the present schematic are subject to change at any time without notice.