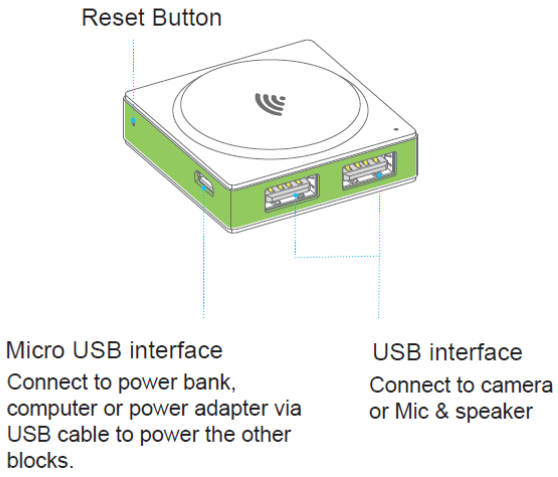
User Guide

The Neuron WiFi Module is a hardware module designed specifically for STEM education. It comes with built-in Wi-Fi, it is Arduino-compatible and it runs full Linux operating system.

The Wi-Fi block has two functions:
Establish a wireless connection between the blocks and tablet computer, then you can program the blocks via Neuron APP.
Connect to your router to use more features, like IoT(Internet of Things).

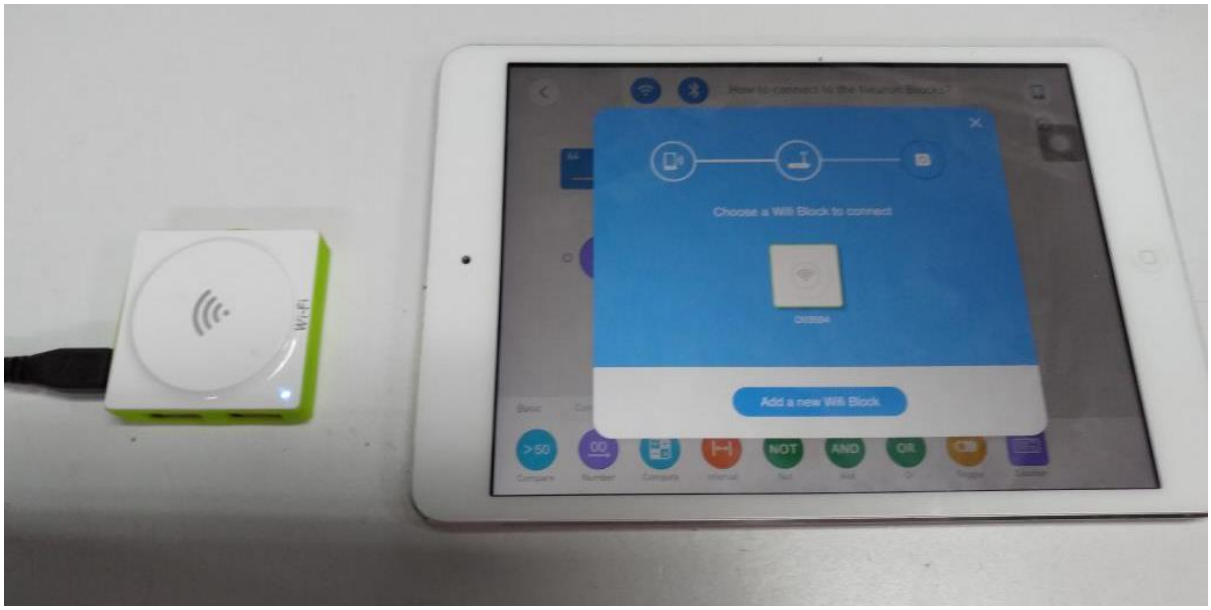
- Appearance



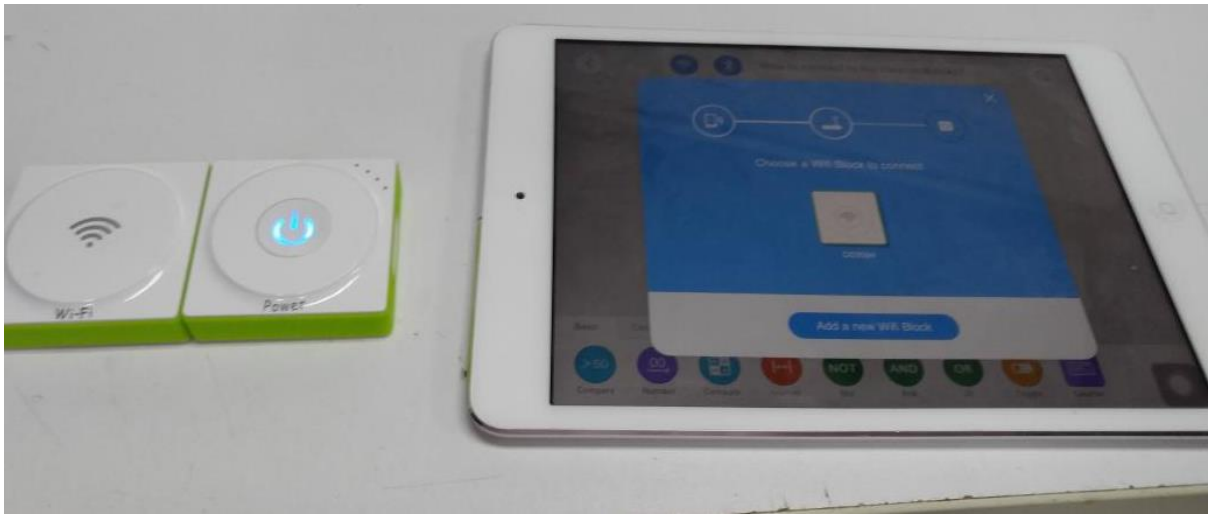
- Specifications

Wireless Standards	IEEE802.11b/g/n
Communication Distance	10m (without obstacles)
Working Mode	STA/AP/STA+AP
Operating Voltage	5V
Operating Current	200mA
Operation Temperature	-20°C ~ 60°C

You can power the WiFi block by Micro USB interface by connecting to power bank, computer or power adapter via USB cable. The led will be light up. Then you can find wifi SSID by your phone or pad with default password “makeblock”, and you can start your graphical programming trip with Makeblock Neuron App.



You can also power the block with a Neuron Power block.



FCC STATEMENT :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.
Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.