# BCA Network Module

BCA network module is a peripheral part designed to work with our BCA series Body Composition Analyzer, make the device more convenient to operate through your mobile devices or cloud backend.

- Connect to WiFi / Intranet automatically.
- Operate BCA through mobile phone/tablet/PC by WiFi/bluetooth.
- Test results uploaded to cloud automatically.
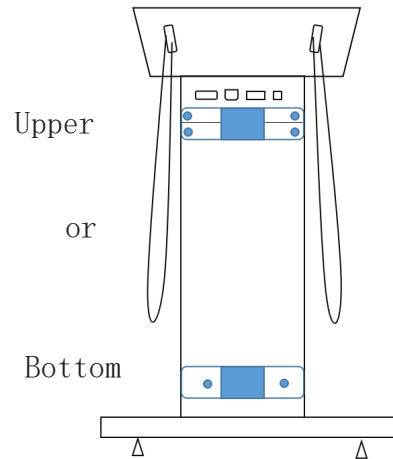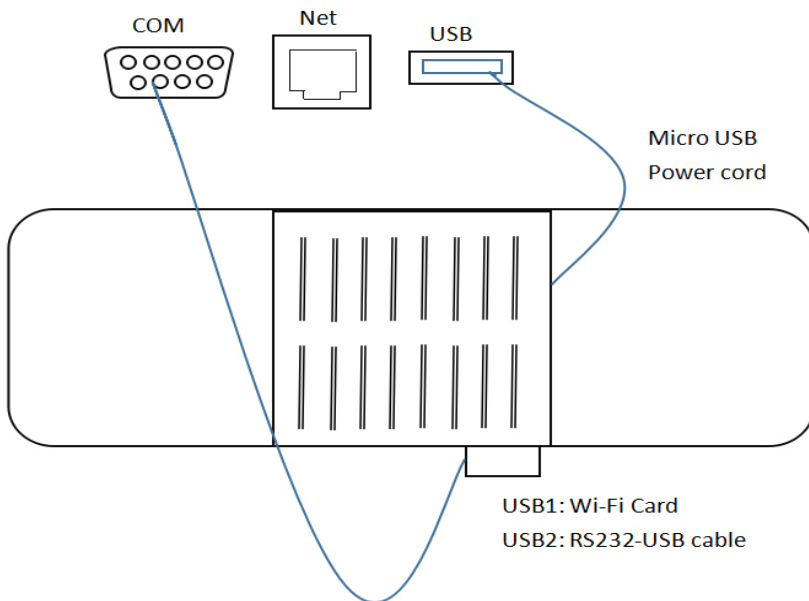- Make more printers available for BCA.
- Develop your own App on web API.
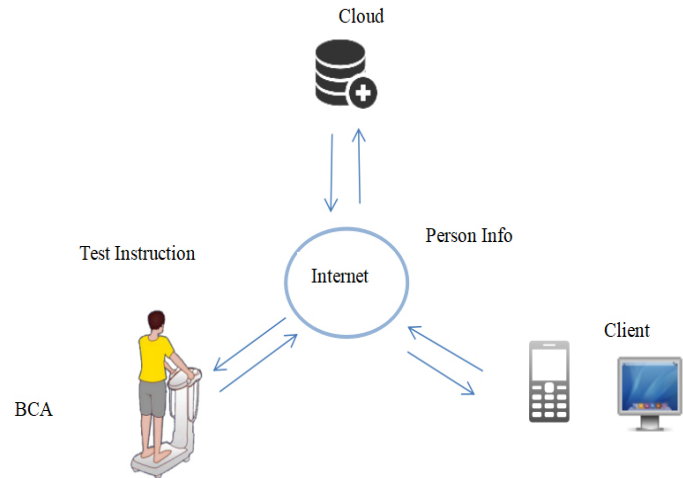
Connection

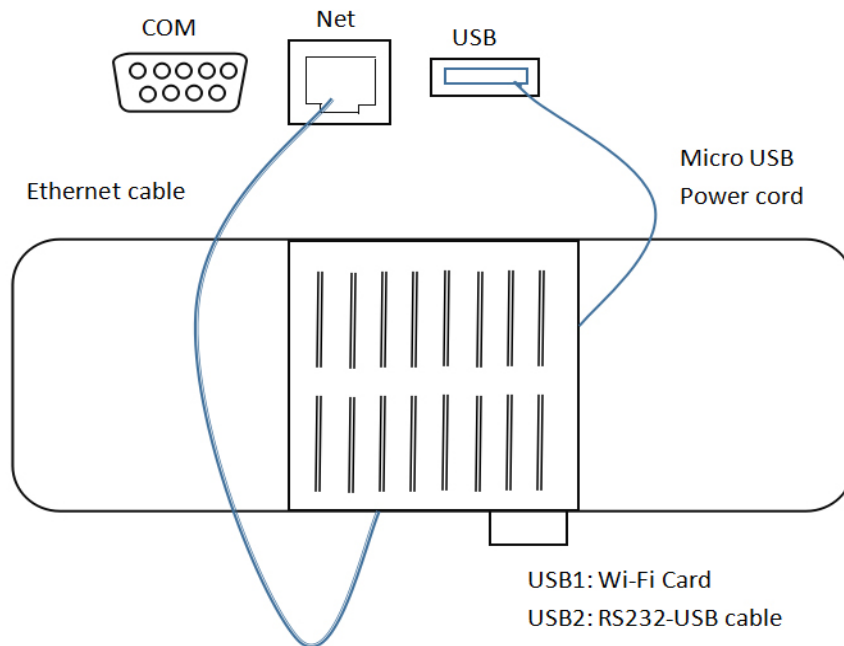We recommend different connection mode for different BCA divice model.

For BCA-2A/1D, it use ethernet to communicate with this module, so we connect module to BCA with ethernet cable.
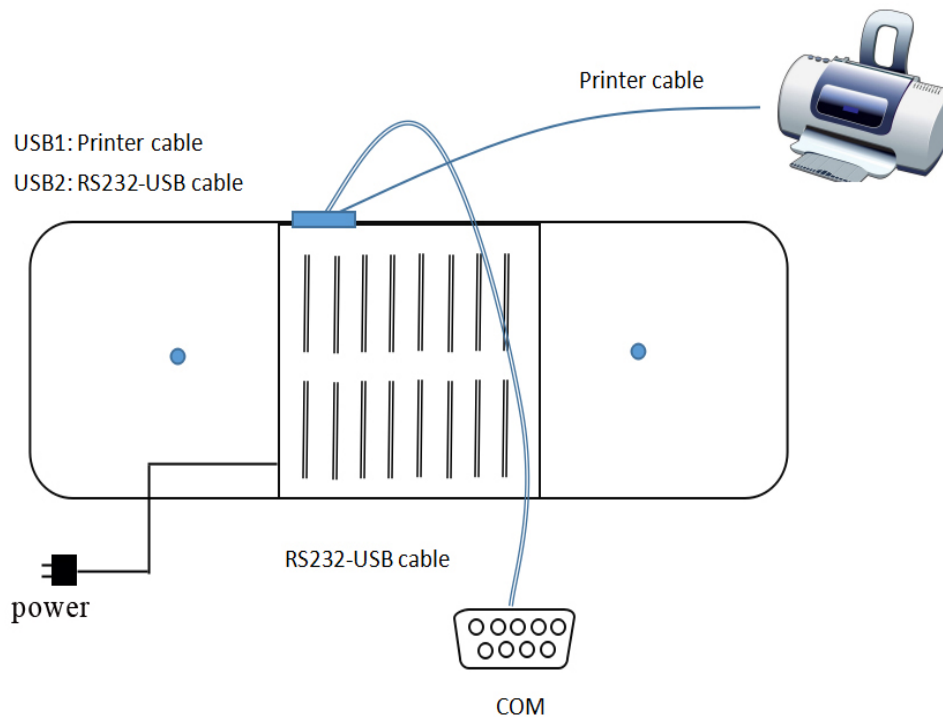
For BCA-1A/1B, it use serial(RS232) port to communicate with this module, so we conncet module to BCA with RS232-USB cable.

USB1: Wi-Fi Card
USB2: RS232-USB cable

Connect module to BCA through RS232-USB cable (For BCA 1A/1B)

COM   Net   USB

Ethernet cable   Micro USB
Power cord

USB1: Wi-Fi Card
USB2: RS232-USB cable

Connect module to BCA through ethernet cable (For BCA 2A/1D)

Printer cable

USB1: Printer cable
USB2: RS232-USB cable

power

RS232-USB cable

COM

Connect module to BCA through RS232-USB cable (For BCA-1C)
Printer connection is optional, or you can use a USB wifi (for WiFi connection)
to take the place.

Configuration

Before your first use, you need to config the module.

1. Power on the module (plug in micro usb power cord).

2. Use your mobile phone/pad/laptop to connect the hotspot "**BCA-AP**", which is a wireless hotsport powered by the module.The passoword is "12345678".

3. Use your browser to open the url: **192.168.9.1/en**, you will see the BCA control center home page. (if you visit 192.168.9.1, use password 6688 to get into control page).

Basic Configuration

In control center page, press "Configuration" to enter Basic Configuration page. Fill the parameters as your situation.The Machine ID is labeled at the back of your module.It should not be changed!
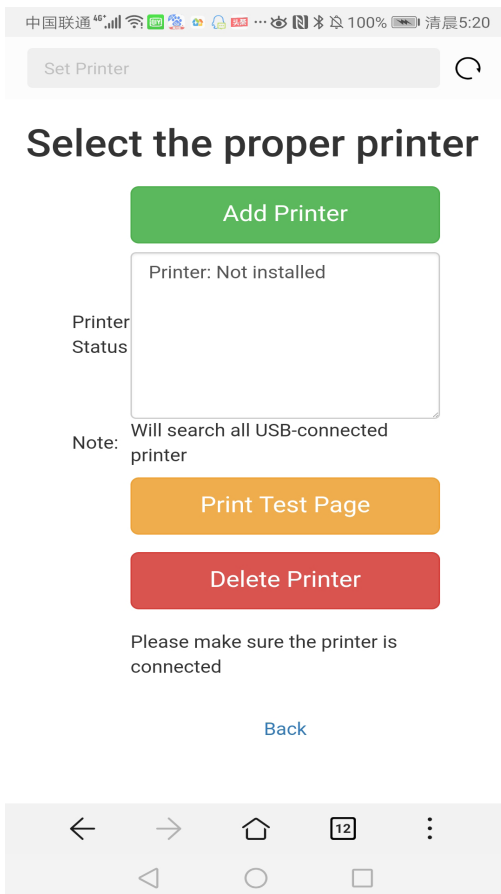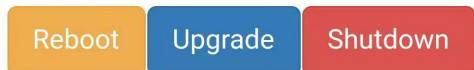
Printer Setup

After you connect to a printer, click "Printer Setup" to enter printer page.Press "Add Printer", to install your printer, in case your printer is detected, its driver will be installed. Try "Print Test Page".

BCA Control Center V4.1

IP:192.168.7.60

- **Configuration**
- **BCA runing state**
- **Printer Setup**
- **Printing Position**
- **Set Date**
- **Wifi Setup**
- **Net Mode**
- **Web Test**
- **Records**

Reboot Upgrade Shutdown

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Set Printer

Select the proper printer

Add Printer

Printer: Not installed

Printer Status

Note: Will search all USB-connected printer

Print Test Page

Delete Printer

Please make sure the printer is connected

Back

Fill in config information

Server Address	http://47.93.157.150:3001
Machine ID	17448073
Machine Model	BCA-1C ▾
Print Mode	Auto ▾
Unit Name	
Unit Code	0

Save

Please fill in machine information according to your BCA device.

Back

ATTENTION:
Our wireless module support the following printers:
HP LaserJet 1020 plus, HP LaserJet 1106, HP DeskJet 1112, Samsung ML2161
Other printe may not be supported.

Start a Test

There're 2 ways to start a web test:

(1) Connect your mobile phone to the BCA-AP hotsport, then browse 192.168.9.1/test, you can get to the web test page.

(2) If you have an App and using our API, connect the module to your local wifi/intranet, you can use your App to operate our BCA device.

*Please contact us for web API.

(3) In our web test page, input personal information, then press "Start Test", your BCA device will get into measurement process. After measurement finished, you press "Result", all result data will show in your phone.

(4) You can browse history records or print current record (in case your module is connected to a printer).

(5) In History Records page, all your test data and charts are available.

(6) From Index page, you can jump into "Records" page to check all the test records of anyone who have tested in the modules.

How to connect to Internet

There're 2 ways to connect your device to internet:

(1) Use ethernet wire. First change net mode to "Wired Mode", reboot your device and plug in a ethernet wire, the BCA device will be assigned a IP address by DHCP from your router. The IP is displayed in control page.

(2) If you have an Wifi, fillin your wifi account information in "Wifi Setup", then change net mode to Wifi Mode, then restart your device. The machine will automatically connect to your Wifi.

*On Wifi mode, BCA-AP hotspot is not available!

So, in case your failed to connect to your wifi, switch back to Default mode. (Click BCA screen to Inquiry page, reboot the network module, it will return to Default Mode again).

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Tester Information

* ID	9
* Name	Sandy
* Sex	Female ▾
* Height	179
* BirthYear	1979

Start Test

Cancel Test

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Body Composition Analysis

ID:9 Name:Sandy Test Date:2019-03-22

62.9	45	1547.8
👤Score	🔍Body Age	🔥BMR(kcal)

	Item	Result	Normal Scope
	Weight(kg)	75.8	59.3-76.6
↑	Fat(kg)	26.2	13.6-21.2
↑	PBF(%) ❶	34.6	18.0-28.0
↓	Water(kg)	36.1	40.9-50.0
↓	Muscle(kg)	46.3	46.9-57.3
↓	Protein(kg)	10.2	10.6-12.9
↓	Bone(kg)	3.2	3.4-4.2
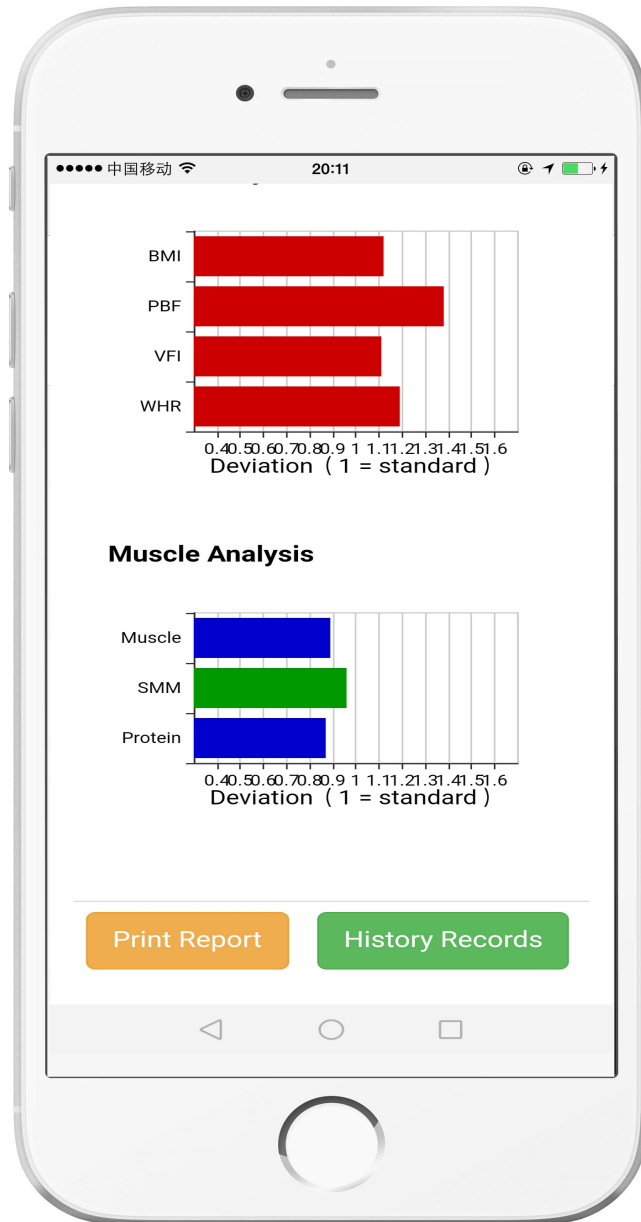
Control your BCA at your finger

Tongfang Health Technology Co.,Ltd.