4-port RFID UHF IoT Reader

- RS804 -



Package

Please make sure the following contents are in the RS804 gift box. If something is missing or damaged, please contact your unitech representative.

The basic package contents

- RS804 4-port RFID UHF IoT Reader
- RFID Tags (5 pcs)
- Adapter

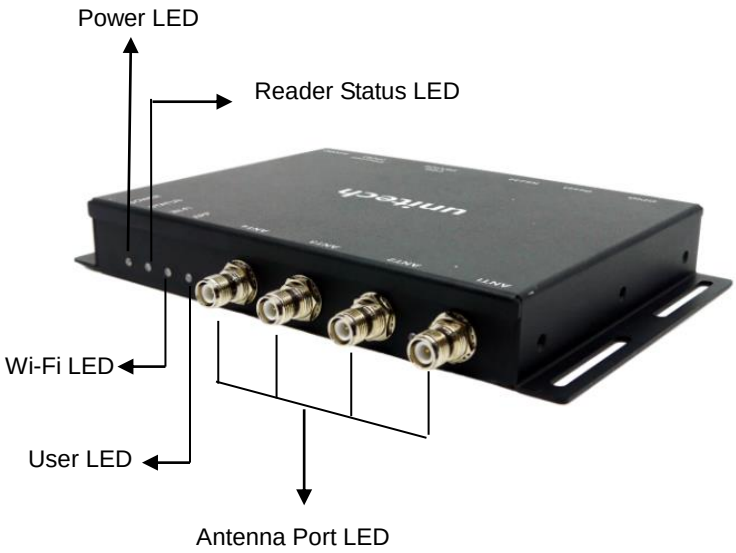
SKU NO.

- RS804-34EBS4G
- RS804-44ABS4G
- RS804-44JBS4G

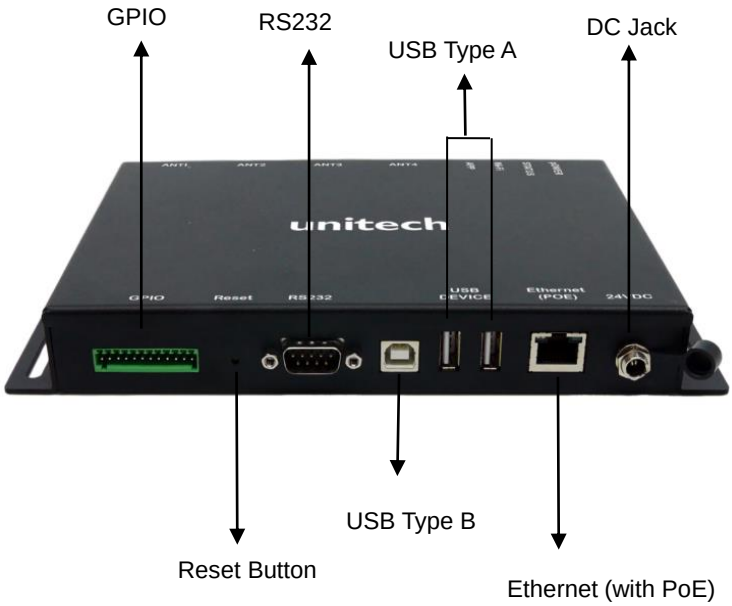
Quick Start Guide

V1.4

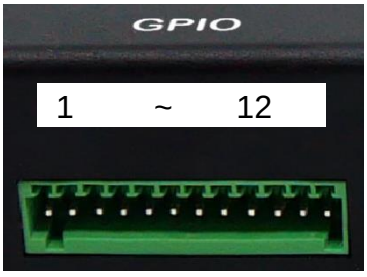
Product View (Front View)



Product View (Rear View)



GPIO Pin Definition



Pin No.	Description	Pin No.	Description
1	24V/1A power output	7	GND_IO1
2	GND	8	GPI_3
3	GPI_1	9	GPI_4
4	GPI_2	10	GPO_3
5	GPO_1	11	GPO_4
6	GPO_2	12	GND_IO2

Getting Started

Step 1. For the first use, please go to https://www.ute.com/en/products/detail/RS804 download "**RS804 RFID Utility**" and then activate the utility.



Step 2. Please connect RS804 to a power source and connect USB or POE directly to PC.





OR



Step 3. When RS804 is connected to a power source, please check the LED status to make sure when to connect with the utility. Please noted that if the power is off and restarts it again, the LED process will start over from the beginning.

When the power is on :

Power LED : Green Solid On

Status LED : Step 1 : Red Solid (for about 12 secs)
Step 2 : Red Flashing (for about 25 secs)

LED goes off for about 50 secs (LLRP is about to start.)

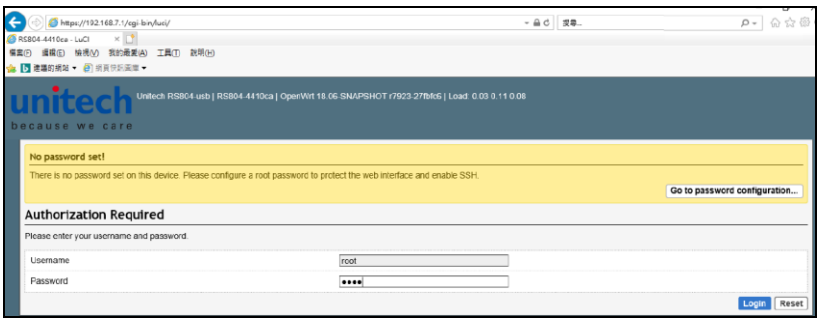
Step 3 : Green Flashing: Ready to connect with the utility
(Users now may start to connect RS804 to the PC/ Laptop)
Step 4 : Green Solid: successfully connected

Checking the LED status

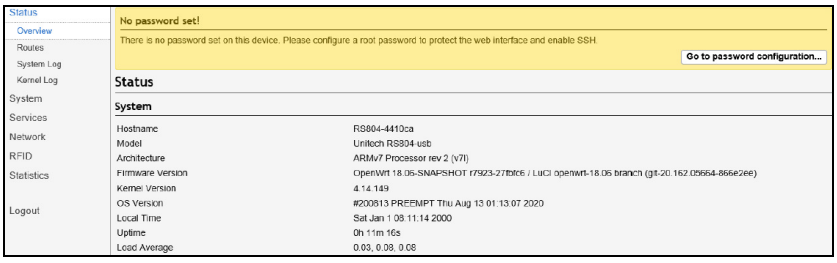
LED	Description
Power LED	Off: Power Off Alternating Orange and GREEN: F/W upgrade Green Solid: Power On, No F/W upgrade
Status LED	Red Solid: System powering up, bootloader stage Red Flashing: RFID module not available, Linux system operation in progress. Green Flashing: Ready to connect with the utility Green Solid: Connected, no errors
Wi-Fi LED	Off: No Wi-Fi connected Green Solid: Wi-Fi connected Red Flashing: Data Transmission
User LED	Controlled by User
Antenna LED	Off: Antenna isn't operating Green Solid: Antenna is operating

IP Setting

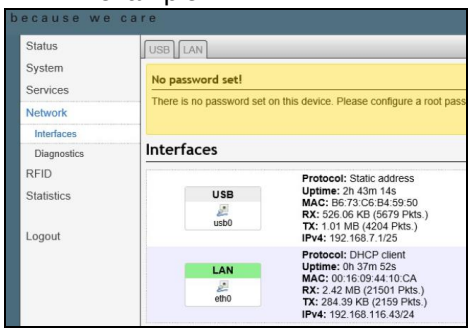
Step 1. Open in any Internet browser and type in : https://192.168.7.1



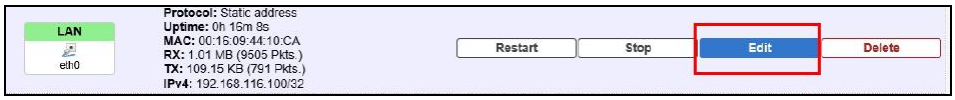
Step 2. Input "**Username**" as "**root**" and "**Password**" as "**null**" to login



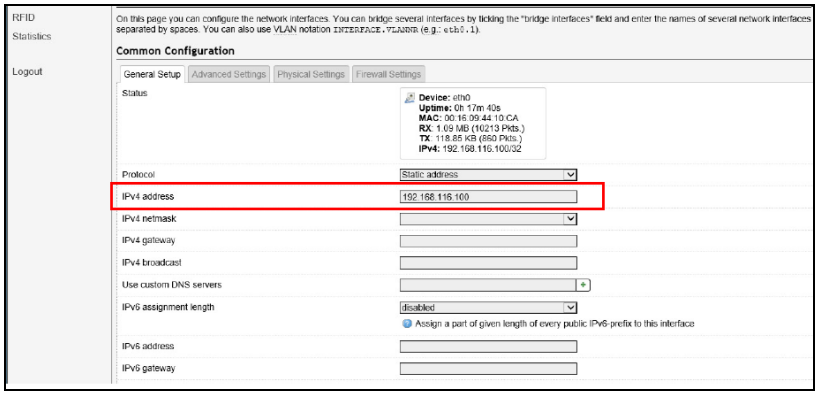
Step 3. Click “**Network**” then “**Interfaces”**, RS804 was assigned IP with “192.168.116.43” as an example.

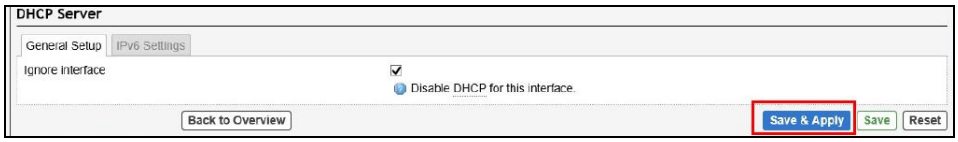


Step 4. Click “**Edit**” to set IP address



Step 5. Input “**192.168.116.100**” for static IP address as example then click “**Save & Apply**”

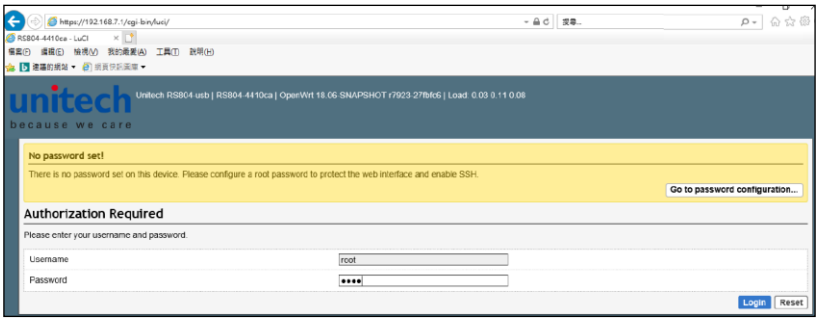




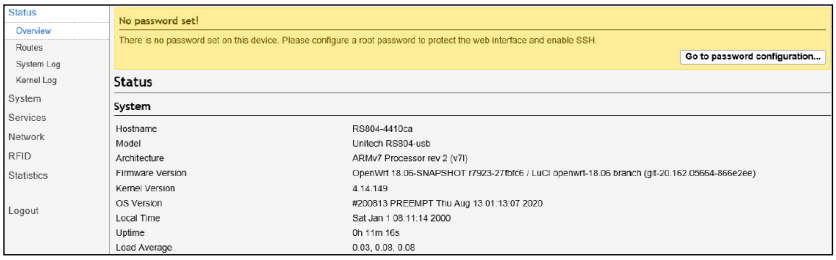
Password Settings

For security reasons, it is strongly recommended that you periodically change the password of RS804 and please follow below steps to accomplish.

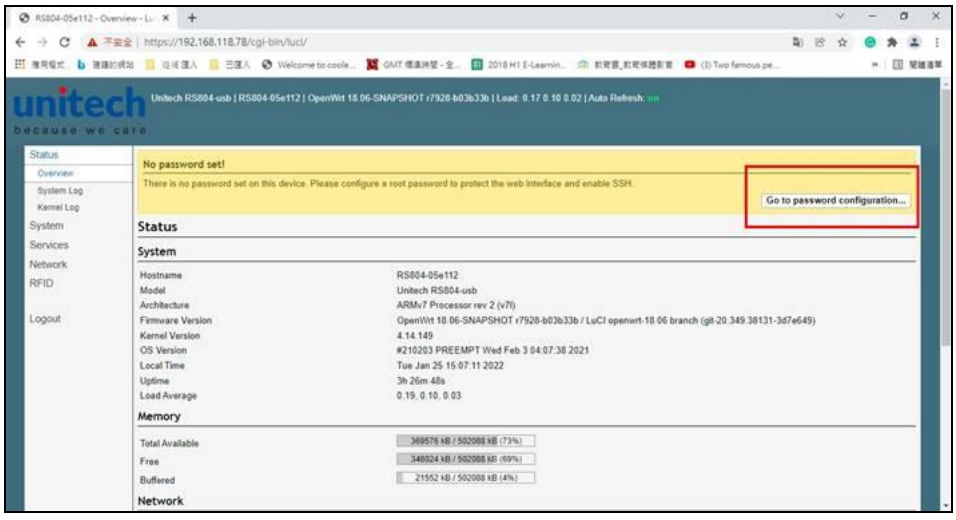
Step 1. Open in any Internet browser and type in : https://192.168.7.1



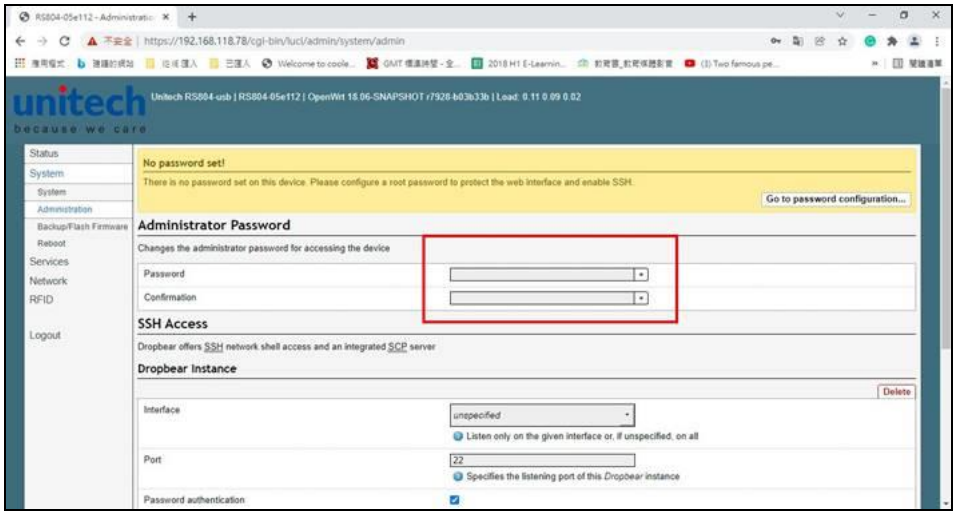
Step 2. Input "**Username**" as "**root**" and "**Password**" as "**null"** to login



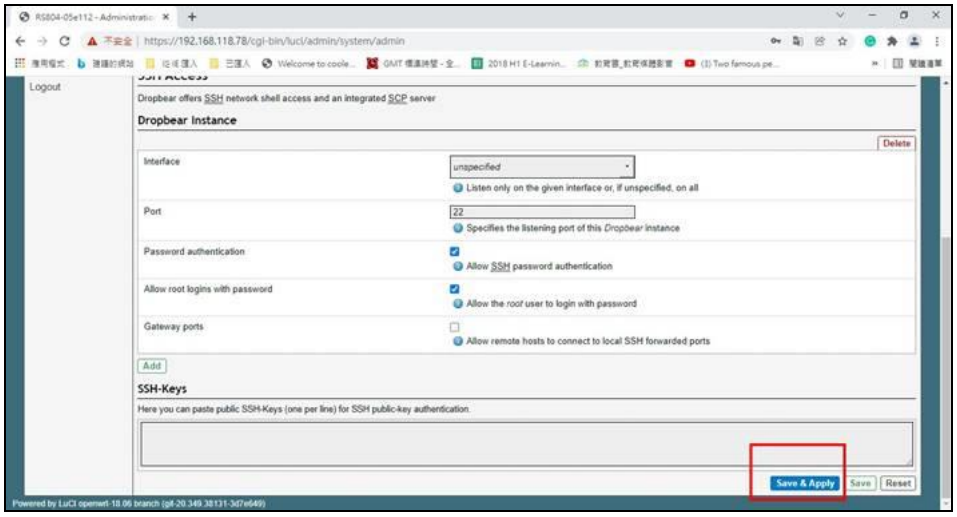
Step 3. Click "Go to password configuration…" to change password



Step 4. Input “Password” as you want and “Confirmation” for confirming it



Step 5. Click “Save and Apply”



Wi-Fi Dongle Information

RS804 supports Wi-Fi in order to increases installation flexibility.
To purchase Wi-Fi dongles, please check the below information for your reference.
(The dongles below have been successfully tested.)

Brand	Standard & Protocol	Wireless Speed	Frequency
EDIMAX EW-7822UAn	IEEE 802.11 b/g/n	11b (20MHz): Up to 11 Mbps 11g (20MHZ): Up to 54 Mbps 11n (20MHz): Up to 144 Mbps (40MHz): Up to 300 Mbps	2.4 ~ 2.4835GHz
ASUS USB-N10 v2	IEEE 802.11 b/g/n	150 Mbps	2.4GHZ
D-Link DWA-127	IEEE 802.11 b/g/n	150 Mbps	2.4GHZ
Tenda W311MA	IEEE 802.11b/g/n	150Mbps	2.4GHZ
TOTOLINK N150UA	IEEE 802.11b/g/n	150Mbps	2.4GHZ
TOTOLINK N150USM	IEEE 802.11b/g/n	802. 11n: Up to 150Mbps 802.11g: Up to 54Mbps (dynamic) 802.11b: Up to11Mbps (dynamic)	2.4~2.4835GHz