u purple.

Naomi

Product line：5G — Mi-Fi

User Manual

Revision：01
Date：2021-11-08
Authors：Lance Wu, Leon Chou, Davin Tai

Trademarks and Permissions

U purple.™   and other u purple trademarks are trademarks of Nonet Inc.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

LTE is a trademark of ETSI.

Notice

All information contained in this document is confidential to Nonet Inc. and without limitation to the provisions of the Agreement (①) no license expressed or implied, under any patent, copyright or other intellectual property right is granted or implied by the provision or possession of this document; and (②) no part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, translated into any language or computer language, in any form or by any means, whatsoever, (whether electronic, mechanical, magnetic, optical, chemical, manual or otherwise) without the prior written consent of Nonet Inc.

Nonet Inc.

Broadband Communications Networks Sales Div.

Address：	7F, No. 568, Sec. 1, Minsheng N. Road, Guishan Dist., Taoyuan City, 33393 Taiwan
Website:	https://www.upurple.com.tw
Email:	William.Chen@upurple.com.tw

Table of Contents

1. Document Details
1.1. Document Information

Owner：	Nonet Inc.			
Approval by：	**Position**	**Name**	**Approved**	**Date**
	Project Lead	Leon Chou	Y	2021-11-08
	Hardware Lead	Allen Yang	Y	2021-11-08
	Software Lead	Lance Wu	Y	2021-11-08
	Project Manager	Jocelyn Yao	Y	2021-11-08
Distribution / Access：	Internal and External release for Proto-1 unit			

1.2. Document History

Version	Date	Author	Comments
0.1	08 Nov, 2021	Davin Tai	Internal and External release for Proto-1 unit

2. Product Overview

The u purple 5G Mi-Fi is built for speed, with multi-gigabit 5G performance, Wi-Fi 6 technology (connecting up to 15 Wi-Fi devices) and fast, seamless 4G LTE fallback. It enables users to access the Internet. The Mi-Fi supports 3GPP Release 15. The supported service functions are as follows：
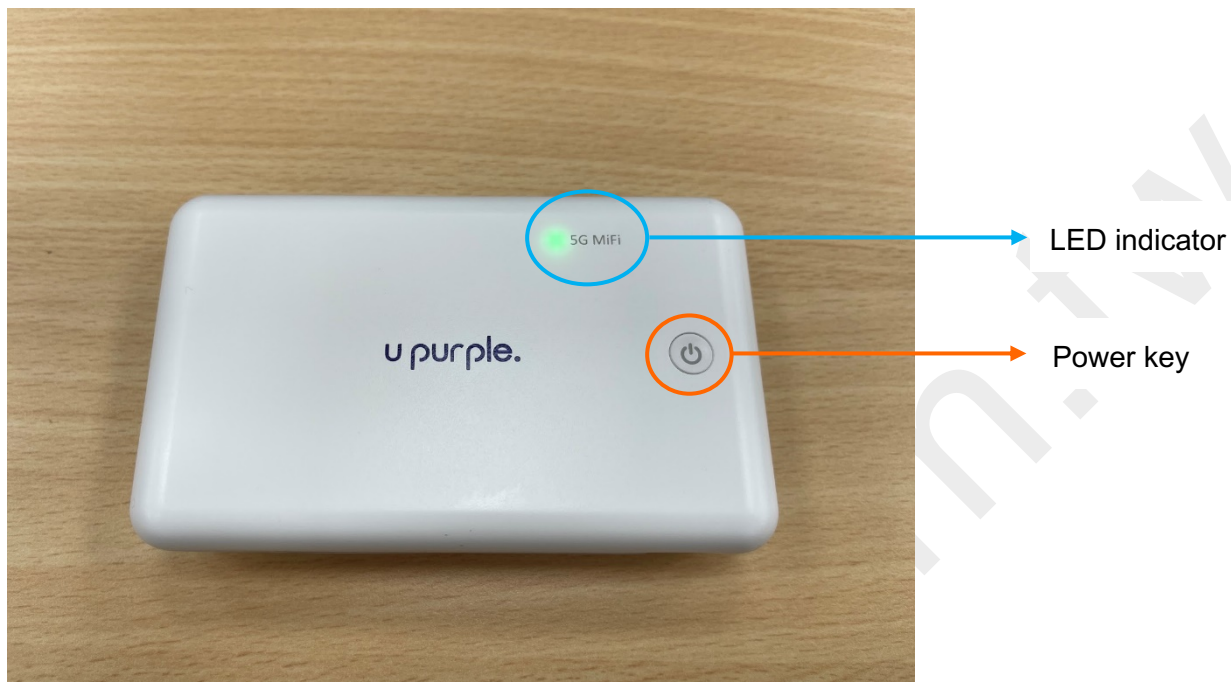
- Data service：
    - 5G：
        - Downlink：1CC; Max BW 100MHz; MIMO 4x4
        - Uplink：1CC; Max BW 100MHz; MIMO 2x2
    - LTE：
        - Downlink：LTE CAT20
        - Uplink：LTE CAT13
- Working band：
    - 5G Roaming Sub6：n2, n5, n7, n8, n12, n41, n66, n71, n77, n79
    - 5G New Sub6：n1, n3, n20, n28, n78
    - LTE：B1, B2, B3, B4, B5, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B27, B28, B29, B30, B34, B38, B39, B40, B41, B42, B46, B48
    - WCDMA/HSPA+：B1, B8
- Wi-Fi 6：802.11b/g/n/a/ac/ax. 2.4GHz Wi-Fi 2x2 MIMO, 5GHz Wi-Fi 2x2 MIMO.
  Maximum Users：16
- 1Gb LAN port x 1
- Routing mode：NAT enable (Default)
- Customer management via Web UI
- Firmware Over the Air (FOTA)
- Certification：NCC & BSMI — CCAF215G0270T2
- Battery：Removable lithium-ion polymer battery, 3.8V/5300mAh, up to 10 hours operating time (depends on network environment)
- Operating environment：
    - Temperature：0°C to 40°C (32°F to 104°F)
    - Humidity：10% to 90% RH (non-condensing)
- Storage environment：
    - Temperature：-30°C to 70°C (-22°F to 158°F)
    - Humidity：10% to 90% (non-condensing)
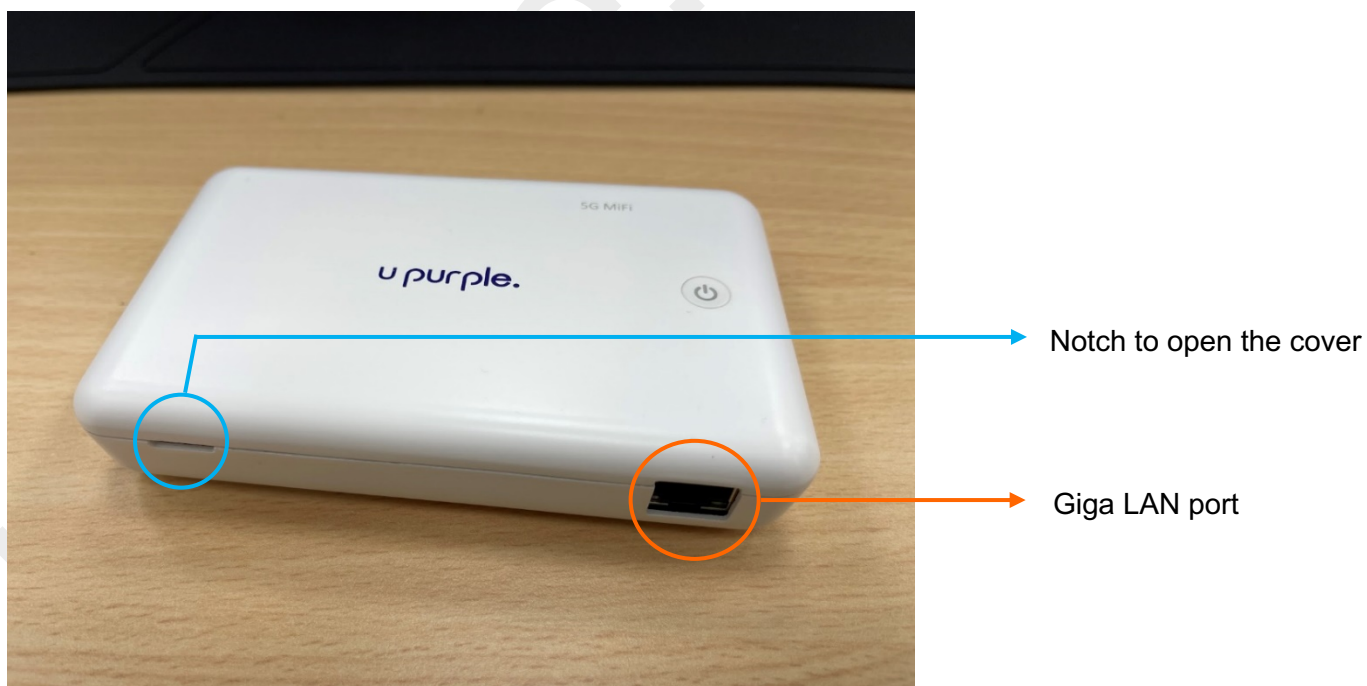
Figure 1 : u purple 5G Mi-Fi product outlook

3. About the Product
3.1 Top View

LED indicator
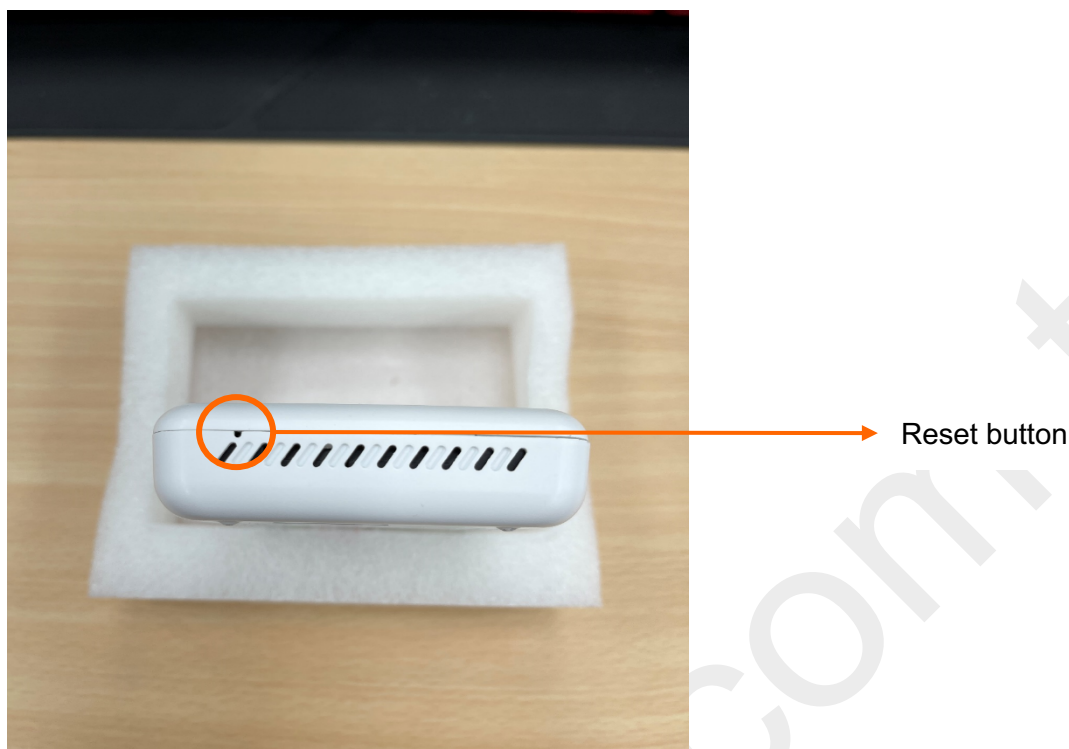
Power key

3.2 Front View

Notch to open the cover

Giga LAN port

Rev. 01 (2021-11-08)

3.3 Rear View

USB port (Type C)

Nano-SIM Card slot

3.4 Side View

Reset button

4. Setup Procedure

4.1   Insert Nano-SIM card

• To open the back cover by the notch and lifting the back.

• To insert your Nano-SIM card into the slot in the rear of Mi-Fi.

4.2   Power on Mi-Fi

• To plug type-C adapter into Mi-Fi, press and hold power key 3 seconds to turn on Mi-Fi.

• After completing boot up, LED indicator will be turned on.

4.3   Connect your PC / Phone to Mi-Fi

4.3.1   Via LAN Port

• To plug Ethernet or Type-C cable (either one) to Mi-Fi and PC, PC will get IP address automatically.

Rev. 01 (2021-11-08)

4.3.2   Via Wi-Fi

- To search and connect to the SSID from Mi-Fi (the default SSID are："UP_XXXXXX" for 2.4GHz, and "UP_XXXXXX_5G" for 5GHz, XXXXXX depends on the MAC address from Mi-Fi).

- The default access password is "12345678" for both SSID.

4.4   Complete

- Congratulations！You can start to access Internet now！

5. Advanced Management

5.1   Login to Web UI

- To connect to the Web UI of Mi-Fi with IP address 192.168.225.1.

- The default Username / Password is admin / admin, and it will need to reset new password and Wi-Fi settings on the wizard when login first time.

Figure 2 : Web UI of U purple 5G Mi-Fi product

- When you login first time you will be asked to change the password. The new password should have at least one numeric、one lowercase letter、one uppercase letter and one special character.

Figure 3 : Reset password page of U purple 5G Mi-Fi product

- After reset password and re-login, it will redirect to the Status page. In this page you can check Network status, Wi-Fi and other information.

Figure 4 : In this page, WEB will show WAN, Wi-Fi, LAN, System and SIM Card information.

5.2   Change Wi-Fi Settings

- After login, click "**SSID SETTINGS (2.4GHz/5GHz)**" on the left side menu bar to access the "SSID Settings" page.

- In this page you can change SSID, access password and Authentication method.
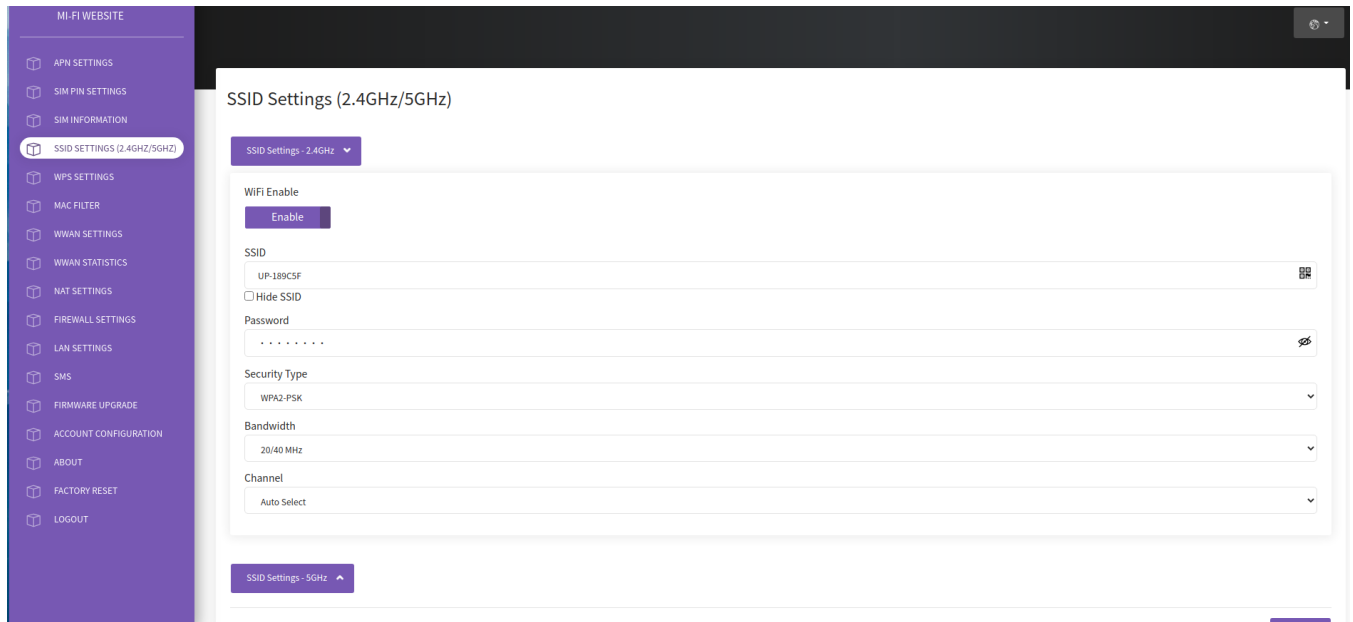

Figure 5 : In this page you can change SSID 、 access password and Authentication method.

5.3   Change APN Settings

- After login, click "APN SETTINGS" on the left side menu bar to access the "APN Settings" page.

Figure 6 : APN settings page of u purple 5G Mi-Fi product

6. Appendix

6.1 LED behavior

LED Behavior			
Status	**Red**	**Green**	**Description**
Power on	off	Blink (every 1 second)	Press power button and hold 3 seconds
5G ready	off	on	
LTE ready	on	on	Red + Green = Orange
Network disconnect	Blink (every 1 second)	Blink (every 1 second)	Toggle **Red** and **Green**
Power off	off	flash 3 times and off	Press power button and hold 3 seconds
Recharge (USB plugged)	on	off	
Battery full (USB plugged)	off	on	
Battery low	Blink (every 1 second)	off	Battery level <= 10%
No power	quick link (every 0.5 second)	off	Battery level = 0% and power off after 30 seconds

6.2 Button behavior

Button behavior	
Reset button	Press < 10 seconds **:** Press to reboot device Press > 10 seconds **:** Reset to Factory default