

# **MaxComm**

## **Product specification**

**MF077**

**5G MiFi – WiFi6**

**Version 1.0**

### **Hardware specification**



|               |                                       |
|---------------|---------------------------------------|
| LCD           | 2.4inch TFT 320*240                   |
| USB Port      | Type-C, USB2.0, support data transfer |
| Button        | Power Key, Select Key, Reset(Hidden)  |
| Card slot     | One 4FF (Nano) UICC/USIM, push slot.. |
| Battery       | 4400mAh Li-on removable               |
| Size          | 128*71.6*16.8mm                       |
| Charger Power | 10W, 5V/2A                            |
| Weight        | ~200g(TBD)                            |

### ■1.1. RF functions

|              |                                                 |                                                                                                                                                                |
|--------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cellular     | 5G/LTE                                          | MTK MT6877                                                                                                                                                     |
|              |                                                 | Standard compliant: 3GPP Release 15(both LTE and 5G)                                                                                                           |
|              |                                                 | 5G: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n71/n77/n78                                                                                                             |
|              |                                                 | 4G: B1/B3/B5/B7/B8/B20/B28/B38/B40/B41/B42*/B43*                                                                                                               |
|              |                                                 | 3G: B1/B2/B5/B8                                                                                                                                                |
|              |                                                 | Modulation:<br>Sub-6 UL: 256QAM, DL: 256QAM<br>LTE DL: 256QAM, DL: 256QAM                                                                                      |
|              |                                                 | MIMO:<br>Sub-6 DL: 4x4, UL 2X2<br>LTE DL: 4X4, UL:1X1                                                                                                          |
|              |                                                 | Antenna(both LTE and 5G): 4 internal antennas                                                                                                                  |
|              |                                                 | Peak data rate:<br>NR: Downlink/Uplink up to 2.77Gbps/1.25Gbps<br>LTE: Downlink/Uplink up to 1.2Gbps/150Mbps<br>WCDMA: Downlink/Uplink up to 42.2Mbps/11.5Mbps |
|              | Output power class: 22 +/-1 dBm                 |                                                                                                                                                                |
| Wi-Fi        | MT6635                                          |                                                                                                                                                                |
|              | Standard compliant: IEEE 802.11 a/b/g/n/ac/11ax |                                                                                                                                                                |
|              | 2.4G , 5.8G , DBSC (2*2) , DBDC (1*1)           |                                                                                                                                                                |
|              | AX1800                                          |                                                                                                                                                                |
| Antenna Gain | Cellular Gain: TBD                              |                                                                                                                                                                |

|  |                |
|--|----------------|
|  | WiFi Gain: TBD |
|--|----------------|

## ■1.2. Environment

|             |                                 |
|-------------|---------------------------------|
| Temperature | Operating: 0°C to 40°C          |
|             | Storage: 0°C to 40°C            |
| Humidity    | Operating Humidity: 5 to 95% RH |
|             | Storage Humidity: 5 to 95% RH   |
|             | Non-condensing                  |

## ■2. Software specification

### ■2.1. Features

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| System Features   | Web UI/Multiple language supported                     |
|                   | SMS/Quota/APN/PIN Management                           |
|                   | Network Selection                                      |
|                   | Data Usage / Statistic                                 |
|                   | DHCP Server                                            |
|                   | NAT                                                    |
|                   | IP Firewall                                            |
|                   | Proxy DNS                                              |
|                   | Security - SIM Lock and Secure boot features.          |
|                   | Firewall - MAC Filter/IP Filter/URL Filter/Port Filter |
| Wi-Fi AP Features | 802.11 a/b/g/n/ax/ 2.4GHz+5.8GHz                       |
|                   | Auto Channel Select (ACS)                              |
|                   | Wi-Fi Enabled Device: up to 16                         |
|                   | Hidden SSID                                            |
|                   | Security Modes : WPA/WPA2 PSK, & WPA/WPA2 mixed mode   |
|                   | Access Control : STA blacklist/white list              |
|                   | WPS : Pin and PBC, WPS2.0                              |

## ■3. Mechanical & ID designs

### ■3.1. Dimension

Casing Dimension (WxDxH): **128\*71.6\*16.8mm**

### ■3.2. Accessories

|                |                            |
|----------------|----------------------------|
| USB Cable      | Type_A to Type_C USB cable |
| QSG            | Quick start guide          |
| Safety warning | Safety warning             |
| Warranty card  | Warranty card              |
| DoC            | Declaration of Conformity  |

### ■3.3. Packing

|        |                                                     |
|--------|-----------------------------------------------------|
| Box    | Box label                                           |
|        | Inner paper                                         |
|        | Inner box                                           |
|        | Color box                                           |
| Carton | Carton label (carton label + battery warning label) |
|        | Carton                                              |
| Pallet | Pallet label                                        |
|        | Pallet                                              |

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