

# 5G NR AX900 Wi-Fi 6 Mobile Hotspot

**F509**

## Key Features

- Secure 5G/4G mobile Internet sharing for multiple devices, enabling reliable connectivity on the move
- 5G NR cellular technology delivers high-speed performance with download speeds of up to 3.27 Gbps for fast data access and low latency
- Integrated color touchscreen provides clear status visibility and intuitive access to device settings and configuration
- Flexible SIM options with Nano SIM and built-in eSIM, allowing users to store and switch between multiple eSIM profiles digitally
- Wi-Fi 6 technology ensures smoother performance in congested environments, delivering wireless speeds up to AX900
- USB Type-C port with PD 3.0 enables fast charging and efficient data communication
- Compact and portable design for convenient use during travel, remote work, and temporary installations



## User Benefits



### 5G Connectivity Anywhere

Access high-speed 5G mobile networks with fast data transfer and low latency anywhere you go



### Flexible SIM Setup

Get online effortlessly with the option of a physical SIM or an eSIM to match your needs



### Color LCD Touchscreen

Easily manage and monitor network status with a 1.5" color touchscreen



### Built-in eSIM Convenience

eSIM support enables digital activation and easy switching between multiple eSIM profiles



### All-Day Battery

Enjoy extended usage with a 4,650 mAh battery for remote work and everyday mobility



### Up to 16 Devices

Share 5G/4G Internet with up to 16 devices across a variety of device types



### Safer Network Everywhere

Safeguard your network with the latest Wi-Fi security protocols and cybersecurity certifications



### Compact Design

Take it anywhere to stay connected in everyday life, business trips, and family getaways

# Technical Specifications

| General                         |                                                                                                                                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Interfaces               | 1 x Nano SIM card slot (4FF) <sup>1</sup><br>1 x USB 3.0 Type-C with PD 3.0 (input 5-9V up to 18W)                                                                                                                                                   |
| eSIM <sup>1</sup>               | Embedded, up to 3 stored profiles                                                                                                                                                                                                                    |
| Buttons                         | 1 x Power button<br>1 x Select button<br>1 x Reset button                                                                                                                                                                                            |
| LCD                             | 1.5" Color Touchscreen                                                                                                                                                                                                                               |
| Wireless Standards <sup>2</sup> | 2.4 GHz: IEEE 802.11ax/n/g/b<br>5 GHz: IEEE 802.11ax/ac/n/a                                                                                                                                                                                          |
| Frequency Support <sup>2</sup>  | 5G NR NSA/SA: n1/n3/n5/n7/n8/n20/n26/n28/n38/n40/n41/n75/n76/n77/n78<br>LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B21/B26/B28/B32/B71<br>LTE-TDD: B38/B40/B41/B42/B43<br>WCDMA: B1/B5/B8                                                                   |
| Mobile Data Rates <sup>3</sup>  | NR NSA Mode:<br>• Downlink: 3.27 Gbps<br>• Uplink: 1.25 Gbps<br>NR SA Mode:<br>• Downlink: 2.5 Gbps<br>• Uplink: 1.25 Gbps<br>LTE Mode:<br>• Downlink: 400 Mbps<br>• Uplink: 211 Mbps<br>WCDMA Mode:<br>• Downlink: 42.2 Mbps<br>• Uplink: 11.5 Mbps |
| Wi-Fi Data Rates <sup>4</sup>   | 900 Mbps (5 GHz up to 600 Mbps/2.4 GHz up to 287 Mbps)                                                                                                                                                                                               |
| Battery <sup>5</sup>            | 4,650 mAh, up to 18 hours of operation                                                                                                                                                                                                               |
| Antenna Type                    | 6 x cellular internal antennas<br>1 x Wi-Fi 2.4/5 GHz internal antenna                                                                                                                                                                               |
| Functionality                   |                                                                                                                                                                                                                                                      |
| Wireless Encryption             | WPA2<br>WPA3                                                                                                                                                                                                                                         |
| Firewall                        | IP address/port/DNS filtering<br>DoS protection                                                                                                                                                                                                      |
| Physical                        |                                                                                                                                                                                                                                                      |
| Dimensions                      | 122.5 x 68.9 x 16.9 mm (4.82 x 2.71 x 0.67 in)                                                                                                                                                                                                       |
| Weight                          | 168 g (5.93 oz)                                                                                                                                                                                                                                      |
| Power Input                     | USB Type-C (5V/2A) with USB PD (Power Delivery) 3.0 fast charging                                                                                                                                                                                    |
| Operating Temperature           | 0 to 40 °C (32 to 104 °F)                                                                                                                                                                                                                            |
| Storage Temperature             | -20 to 70 °C (-4 to 158 °F)                                                                                                                                                                                                                          |
| Operating Humidity              | 5% to 95% non-condensing                                                                                                                                                                                                                             |
| Storage Humidity                | 5% to 95% non-condensing                                                                                                                                                                                                                             |
| Certifications                  | CE<br>EN 18031<br>RoHS                                                                                                                                                                                                                               |
| Package Contents                |                                                                                                                                                                                                                                                      |
| F509                            | 5G NR AX900 Wi-Fi 6 Mobile Hotspot<br>USB Type-C Cable<br>Quick Installation Guide                                                                                                                                                                   |

1. eSIM functionality requires a compatible data plan with a supported carrier. Data plan and physical SIM card are not included and must be purchased separately.

Supported carriers and availability may vary by region. Up to three eSIM profiles can be stored on the device; one profile is active at a time.

2. Supported frequency bands are dependent on regional variants and may not be available in all markets.

3. 5G availability varies by region and carrier. Coverage not guaranteed in all areas. Theoretical maximum data rate. Actual speeds will vary and are dependent on a range of factors including network configuration, network capacity, signal strength, and the conditions of your mobile broadband service plan.

4. Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

5. The actual battery runtime may vary depending on several factors, such as network conditions, connected devices, and streaming content.

6. Specifications may be subject to change without prior notice.