

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) ¹ 1 x USB 3.0 Type-C with PD 3.0 (input 5-9V up to 18W)
eSIM ¹	Embedded, up to 3 stored profiles
Buttons	1 x Power button 1 x Select button 1 x Reset button
LCD	1.5" Color Touchscreen
Wireless Standards ²	2.4 GHz: IEEE 802.11ax/n/g/b 5 GHz: IEEE 802.11ax/ac/n/a
Frequency Support ²	5G NR NSA/SA: n1/n3/n5/n7/n8/n20/n26/n28/n38/n40/n41/n75/n76/n77/n78 LTE-FDD: B1/B3/B5/B7/B8/B18/B19/B20/B21/B26/B28/B32/B71 LTE-TDD: B38/B40/B41/B42/B43 WCDMA: B1/B5/B8
Mobile Data Rates ³	NR NSA Mode: • Downlink: 3.27 Gbps • Uplink: 1.25 Gbps NR SA Mode: • Downlink: 2.5 Gbps • Uplink: 1.25 Gbps LTE Mode: • Downlink: 400 Mbps • Uplink: 211 Mbps WCDMA Mode: • Downlink: 42.2 Mbps • Uplink: 11.5 Mbps
Wi-Fi Data Rates ⁴	900 Mbps (5 GHz up to 600 Mbps/2.4 GHz up to 287 Mbps)
Battery ⁵	4,650 mAh, up to 18 hours of operation
Antenna Type	6 x cellular internal antennas 1 x Wi-Fi 2.4/5 GHz internal antenna
Functionality	
Wireless Encryption	WPA2 WPA3
Firewall	IP address/port/DNS filtering 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 EN 18031 RoHS
Package Contents	
F509	5G NR AX900 Wi-Fi 6 Mobile Hotspot USB Type-C Cable 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.