



Inseego Wavemaker™ 5G Cellular Router FX4200

Engineered for ultra-fast, always-on connections

About Inseego

As a U.S.-based company, we design and develop all of our products in the USA and hold them to the highest security standards. Our products and solutions are trusted by top tier carriers, government entities, and Fortune 500 enterprise customers.

Advanced technology

Featuring 5G NR, Wi-Fi 7, a quad-core processor, integrated antennas, and automatic failover, the FX4200 delivers fast, reliable wireless broadband. Optional Inseego Mesh Wi-Fi X700 expands coverage without sacrificing performance, ensuring seamless connectivity and eliminating dead zones.

Instant connectivity

Deploy in minutes with plug and play setup and instant high-speed connectivity right out of the box. The FX4200 simplifies configuration with integrated antennas, built-in diagnostics, intelligent carrier selection, and automatic cloud integration through Inseego Connect.

Dependable broadband for business

Ensure reliable connectivity for distributed and remote operations with dual WAN links, automated failover and failback, and integrated battery backup for power loss protection. The FX4200 simplifies setup and remote management while intelligently switching to the strongest available 5G connection when needed.

Remote cloud-based management

Monitor and manage network health from anywhere using the FX4200 and Inseego Connect. Remotely oversee thousands of devices and mesh networks, optimize performance, and ensure uptime through one centralized cloud platform.

Secure and private remote access

Enable remote and hybrid teams to work securely from anywhere. The FX4200 supports secure edge networking with split or full tunnel VPNs, ensuring encrypted, high-uptime connections between headquarters and remote locations.



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FX4200 product specifications

Network connectivity¹

- 5G NR (SA/NSA) with 3x Downlink CA and 2x Uplink CA
- 4x4 MIMO 5G sub-6 GHz
- 4G LTE Cat 20 fallback
- 4x4 MIMO 4G LTE

Bands supported

- 5G sub-6: n2, n5, n7, n12, n13, n14, n25, n26, n29, n30, n38, n41, n48, n66, n70, n71, n77 (ext 2A), n78 (ext 2A)
- 4G LTE Cat 20: 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 29, 30, 38, 41, 42, 43, 46, 48, 66, 70, 71

Wi-Fi

- Wi-Fi 7 with 2x2 MU-MIMO
- 802.11be with EasyConnect standards
- Simultaneous dual-band Wi-Fi
- Full power AP Wi-Fi (30 dBm) with mesh
- Connects up to 256 Wi-Fi enabled devices
- Primary and guest networks

Chipset

- Qualcomm Dragonwing™ FWA Gen 3 Platform
- Qualcomm® SDX72 5G Modem-RF System

Module

- Inseego RM4210

Display

- 3x LED for device, Wi-Fi, and cell status
- Single line display for Wi-Fi & cell details, status, mesh pairing, and FOTA updates

Ports

- 2x 2.5GbE RJ45
- 2x 1GbE RJ45
- 1x USB 3.1 Type-C data
- 1x USB PD Type-C power
- 4x external full spectrum SMA cellular antenna

Location

- Standalone GNSS
- Internal antenna

Battery

- Rechargeable 5050 mAh Li-ion back-up battery

Powered by



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¹ Data plan required. Coverage subject to network availability.

² Inseego Connect Advanced subscription required.

SIM

- 2x SIM 4FF Nano

Dimensions & weight

- 8.3" x 5.5" x 2.1" (210 mm x 140 mm x 54 mm)
- 51.9 oz (1.47 kg)

Operating temperature

- 32°F to 104°F (0°C to +40°C)

Operating temperature with limitations

- 14°F to 122°F (-10°C to +50°C)

Storage temperature

- -22°F to 158°F (-30°C to +70°C)

Operating system features

- Seamless WAN failover and fallback
- WAN prioritization
- Firewall
- VPN passthrough
- IP Passthrough
- Network slicing
- On-device speed test
- IPv4 and IPv6 with XLAT support
- WPA2/3 personal and enterprise
- Secure local user interface
- Data usage monitoring
- FIPS 140-3 OpenSSL
- Wired and wireless Wi-Fi mesh support

Cloud-based management

- Inseego Connect remote management
- Inseego Mobile™ app
- Inseego Connect API support²
- Firmware management and scheduling
- Automatic carrier selection
- Remote troubleshooting and diagnostics
- Zero-touch deployment
- On-device speed test
- Notifications and alerts
- GPS with map location
- IPsec VPN and OpenVPN
- Data usage monitoring

Accessories (sold separately)

- Inseego Wavemaker mesh Wi-Fi X700
- External antennas

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