TECHNOLOGY: 5G sub-6 GHz, 4G LTE Cat 20



Inseego Wavemaker™ 5G cellular router FX4100
Unleash next-generation connectivity

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.





Cutting edge technology

With 5G NR technology, Wi-Fi 7 capability, and simplified device management, this powerhouse provides reliable, high-speed connectivity wherever you need it, making it the ultimate broadband solution.

Day-one connectivity

Get online instantly without waiting for wireline installations or setup. Perfect for remote areas or as a failover solution to keep operations running smoothly, the FX4100 ensures seamless, day-one connectivity whenever you need it.

Innovative and contemporary design

The FX4100's sleek design with internal antennas is easy to install and fits anywhere. The built-in digital display shows network status, initiates mesh pairing, and more for maximum performance.

Enterprise-grade management

Use Inseego Connect to remotely manage thousands of devices and mesh networks from one central interface. Ideal for scaling enterprise networks, ensuring uptime, and reducing complexity.

Versatile for primary and failover solutions

Offers the flexibility to function as a dependable primary 5G wireless connection or enhance your network's resiliency by seamlessly transitioning to a failover solution for wired networks, delivering consistent performance and reliability.

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FX4100 product specifications

Network connectivity[1]

- 5G NR with SA/NSA
- 5G sub-6 GHz
- 4x4 MIMO 5G sub-6 GHz
- 4G LTE Cat 20
- 4x4 MIMO 4G LTE
- 256 QAM sub-6 GHz

Bands supported

- 5G sub-6: n2, n5, n12, n25, n26, n41, n48, n66, n71, n77
- 4G LTE Cat 20: 2, 4, 5, 12, 25, 26, 41, 48, 66, 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 (~30dBm) with mesh
- Connects up to 128 Wi-Fi enabled devices
- Primary and guest networks

Chipset

- Qualcomm® Dragonwing FWA Gen 3 Platform

Module

- Inseego RM4210

Display

- Interactive device display for info, alerts, FOTA, and mesh pairing

Ports

- 2x WAN/LAN (1 GbE)
- 1x USB 3.1 Type-C data and power
- 2x external full spectrum SMA cellular antenna ports (0.6-6 GHz each)

Location

- Standalone GPS
- Internal antenna

SIM

- 1x SIM 4FF Nano

Dimensions & weight

- 6.6" x 4.1" x 2.0" (167 mm x 104 mm x 52 mm)
- 23 oz (650g)

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)

Remote management

- Inseego Mobile™ app (with Inseego Connect™)
- Inseego Connect device management
- Cloud API support with Inseego Connect
- FOTA management and scheduling

Software and security

- On-device speed test
- IPv4 and IPv6 support
- IPsec VPN and OpenVPN
- Seamless failover
- Secure boot
- Admin securityAES 256 encryption
  - Security hardened web interface
  - Password hash
  - Session timeout
  - Incorrect password lockout
  - Block factory reset
- Encrypted configuration backup/restore
- Advanced firewall
- Anti-CSRF (OWASP)
- VPN passthrough
- Multi-link operation (MLO)
- Mesh pairing and Wi-Fi networking
- FIPS 140-3 OpenSSL

Accessories (sold separately)

- Inseego Wavemaker mesh Wi-Fi X700
- External antennas
- PoE to USB-C adapter

Powered by Qualcomm Dragonwing

For more information: sales@inseego.com
Visit us our website: inseego.com

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[1] Data plan required. Coverage subject to network availability.

PRT-14965444 R4

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