



## INSEGO WAVEMAKER™ PRO 5G INDUSTRIAL GATEWAY S2000e THE WORLD'S FASTEST, MOST DEPENDABLE 5G GATEWAY

### Why Insego?

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 designed to meet the most rigorous security requirements of top tier carriers, government entities, and fortune 500 enterprise customers.

#### Ultra reliable global connectivity

The S2000e supports any public or private network and operates on numerous service provider networks around the world. It connects to any routing system or remote endpoint with ethernet or USB using DHCP (router mode or IPPT (modem mode).

#### 24/7 Continuous multi-gigabit connection

Get connected and stay connected. Advanced thermal management, WAN management and dual SIM management with active keep-alive, ensures your business is always connected.

#### Millisecond latency

Ultra-low latency, unlocked by 5G commercial or private networking, for real time data access and management.

#### Industrial-grade hardware

Proprietary thermal design allows for use in a server room, harsh factory environment or even outdoor enclosures while operating at multi-gigabit speeds. Mounting options vary from desktop to wall, rack pole or DIN rail install.

#### Remote Management

Convenient remote device management capabilities for a single device included, plus tiered upgrade options for advanced device management, monitoring and diagnostics for multiple devices from a single dashboard Insego Connect™.



# Industrial gateway S2000e product specifications

## Connectivity<sup>1</sup>

- Sub6 Only or Sub6 + mmW
  - 8CC / 800 MHz mmW max bandwidth
  - 200 MHz Sub6 max bandwidth
  - 5G NR Sub6 Only or 5G NR Sub6 and mmW SKUs
  - 5G NR Standalone (SA) Sub6 and Non-Standalone (NSA) Sub6/mmW
  - Dynamic Spectrum Sharing (DSS)
  - 4G LTE CAT 22 Fallback

## Ports

- 1 x 5 Gb Ethernet RJ45 with Power over Ethernet, 4.9 Gbps Max Throughput
- 1 x USB 3.1 Type C (USB Tethering, USB WAN Modem, USB to Ethernet RJ45 Adapter), 2.7 Gbps Max Throughput
- 6 x Female SMA for Cellular
- 1 x Female SMA for GNSS
- 1 x 4 Pin Power and I/O (2 x Digital Input Output Pins)

## Power options

- 4 Pin AC Power Supply
- 4 Pin DC Power and I/O Supply
- PoE Injector

## Positioning

- L1/L5 Active GPS Band Support
- Active Antenna Support
- Assisted Cellular GPS Support

## Dimensions & weight

- 200 x 80 x 45 mm
- 495 g

## Environmental

- Operation: -30 to 65 °C, Storage: -40 to 85 °C
- IP41 rated

## SIM

- 2x User Accessible 4FF Nano SIM
- Multi-carrier support with auto-switching

## Chipset

- Qualcomm® Snapdragon™ SDX55

Powered by



## Systems supported

- Windows® 8, 10
- Mac OS® X 10.10 or Higher
- Linux® Ubuntu 14.04 or Higher
- Chrome OS v79 or Higher

## Networking

- WAN with Active Keep Alive
- Dual SIM with Auto-APN and Automatic Switching
- Ethernet or USB IP Passthrough (IPPT; Modem Mode)
- Port Forwarding
- Port Filtering
- MAC Filtering
- DHCP
- DMZ
- Configurable DNS
- MAC Address Filtering
- Public and Private APN Support
- Commercial and Private LTE 5G Support
- USB WAN Support<sup>2</sup>

## Security

- Device Cybersecurity Agent<sup>2</sup>
- NAT Firewall
- VPN Pass-Through, Open VPN, IPsec VPN<sup>2</sup>
- MACsec Ethernet Security<sup>2</sup>
- Security Hardened Web Interface
- Fully Encrypted Log Files
- Fully Encrypted Cloud Agent
- Anti-CSRF
- Session Timeout and Incorrect Password Lockout
- Admin Portal to Block Factory Reset

## Standards /approvals /certifications

- FCC/IC/CE/RCM/TELEC<sup>2</sup>
- GCF/PTCRB
- EN/IEC 62368
- UL 2710
- REACH/ROHS/WEE/Halogen Free

## Accessories

- AC Adapter
- DC and I/O Cable
- POE Injector
- Wall, Pole, and DIN Rail Mounting Brackets
- Dipole and Multi-Element Antennas

**For more information:** [sales@inseego.com](mailto:sales@inseego.com)

**Visit us our website:** [inseego.com](http://inseego.com)

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<sup>1</sup>Theoretical values, speeds achieved by connected devices vary based on network coverage, Wi-Fi connection and device capability.

<sup>2</sup>Future features coming soon  
PN 14945369 Rev 3

**inseego**