

Skyus™ 500 IP64 Gigabit Cellular Router for IIoT



Fast Now and Future Ready

Skyus 500 cellular router is built to meet the demands of your business in a compact form factor.

With Skyus 500, speed will never be an issue. It's fast now with 4G LTE-A Pro Cat-18 connectivity and future ready for 5G NR with external Skyus and MiFi support; all to turbo-charge your business. Skyus 500 offers ethernet, USB, Wi-Fi, GPS, Bluetooth 5.0*, PoE, and aGNSS location based services; all in one complete hardware solution. Durably designed with IP64 and MIL-STD 810G ratings for protection in the most rugged environments. Inseego's IoT Connect™ cloud platform provides 360 degree visibility and secure accessibility into your deployment, all from one user-friendly platform.

Intelligent connectivity keeps you ahead of the curve

Don't be left behind as carrier speeds improves... Skyus 500 is ready when they are. Designed and developed in the USA by the makers of the world's number one selling hotspot technology.



Designed for your critical business needs:

- Emergency Response/Public Safety
- Transportation
- Construction / Job Site
- CBRS Small Cell Networks
- Connected Infrastructure
- Connected Utility Stations (Water, Electric, Oil, Gas)
- EV Charging Stations
- Traffic/Parking Management
- Telecom Infrastructure
- Road Monitoring

Inseego: Trusted partner support for the entire life cycle of your product

The support personnel assigned to you are engineers that have hands-on experience and know real-world applications. The breadth of knowledge they possess ensures that you're choosing the best solution for your use case.



Inseego IoT Connect

Contact Us to Learn More About Inseego IoT Connect,
Our Secure Carrier-Grade Cloud Platform.

Skyus 500 LTE Gateway/Router Product Specifications

	Skyus 500V	Skyus 500G*
Technology		
Speed	Cat-18 LTE (1.2 Gbps Downlink, 150 Mbps Uplink); Up to 5 Carrier Aggregation and 256 QAM	
Region	United States, Canada	*United States, Canada, Europe, Australia
Carrier Acceptance	Verizon	*Verizon, AT&T, T-Mobile, Sprint, Rogers, Bell, Telus, Generic Europe, Telstra, Optus
Cellular Bands	LTE: B2, B3, B4, B5, B7, B13, B14, B20, B46 (TD), B48 (TD), B66	*LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38 TDD, B39 TDD, B40 TDD, B41 TDD, B66
	Unlicensed LTE: B46 (TD LTE-LAA), B48 (TD CBRS 3600)	*Unlicensed LTE: B42 (TD CBRS 3500), B46 (TD LTE-LAA), B48 (TD CBRS 3600)
	3G (WCDMA): B1, B2, B5, B8	*3G (WCDMA): B1, B2, B4, B5, B8
	2G (CDMA): BC0, BC1, BC10	*2G (CDMA): BC0, BC1, BC10
WiFi	802.11 a/b/g/n/ac WAVE2; 2x2 2.4 GHz Radio, 2x2 5 GHz Radio; Access Point and Client Mode; Dual Concurrent	
Power over Ethernet	802.3af; 15.4W Supply to External Skyus 5G Modems or IP Camera	
Positioning	aGPS and aGNSS (Standalone and Assisted); *Dead Reckoning; Local and Remote Forwarding; Store and Forward	
Dual Modem Support	Supports Skyus DS2 and Skyus SC USB WAN Modems; Supports Inseego 5G NR WAN Modems; Intelligent WAN Prioritization	
Bluetooth*	*BT5, BLE Long Range; GATT, MESH, SPP; Store and Forward	
Mechanical		
Ethernet Ports	1x 10/100/1000 RJ45 for LAN/WAN + PoE, 3x 10/100/1000 RJ45 for LAN/WAN	
USB Port	1x USB 2.0 Type A Host; Provides 5V @ 1A (5W Max)	
Power + I/O Port	1x 8-Pin Locking Connector for Input Power and I/O; 12 VDC Input via DC or AC Adapter Required	
Antennas	4x SMAs for 4x4 MIMO Cellular, 2x SMAs for 2x2 MIMO Ultra-High Band Cellular (CBRS and LAA), 2x Reverse Polarity SMAs for 2x2 MIMO WiFi, 1x SMA for GPS/GNSS, 1x Reverse Polarity SMA for Bluetooth	
Ingress Protection	IP64 - Dust Tight and Water Resistant	
Housing	Ruggedized Aircraft Grade Aluminum	
Dimensions	210 x 123 x 42 mm	
Weight	1.2 kg	
Mounting	Integrated Mounting Holes; 3.9 mm Hole Diameter for M3 or M3.5 (#4 or #6) Screws; 195 x 107.6 mm Hole Pattern	
Thermal	-40 - 70 C Operation; -40 - 85 C Storage	
LEDs	1x LED for Power/Device Health, 1x LED for USB, 1x LED for Cellular Status, 1x LED for WiFi Status, 1x LED for Bluetooth Status, 1x LED for GNSS Status; All LEDs are Multi-Color	
SIM	1x 4FF Nano SIM (Accessible)	*2x 4FF Nano SIM (Accessible); Dual SIM Single Active
Inputs/Outputs	1x Vin, 1x Ground, 1x Ignition Sense, *1x 1-Wire, 2x GPIO, *2x GPIO	*1x Vin, 1x Ground, 1x Ignition Sense, 1x 1-Wire, 1x Analog Input, 3x GPIO with Voltage Detect
Software		
OS Compatibility	Windows 7 or Later; Linux 2.6 or Later; Ubuntu 12.04 or Later; Raspbian 2 or Later; Android Jelly Bean or Later; iOS 8 or later	
Networking	Port Forwarding, Port Filtering, MAC Filtering, DHCP Server, DMZ, WAN Failover	
Security	IPsec VPN, Encrypted Logs, Encrypted Configurations, WPA/WPA2 Authentication, Inseego Firewall	
Remote Access	Secure Remote Visibility and Device Management, Remote Configuration and FOTA, MQTT Encryption with x.509 Certificates	
Certifications/Approvals		
Regulatory	FCC, ISED	*FCC, ISED, PTCRB, GCF, CE (RE-D), E-Mark, GCF, RCM-ACMA, COM-COM
Device Testing	SAE J1455 (Shock, Vibration, Electrical), MIL-STD 810G (Shock, Vibration, Thermal Shock, Humidity), RoHS2 Green, REACH, WEEE, UL 60950 Safety, WiFi Alliance	