inseego

Skyus™ 160 LTE Gateway

High-Speed and Multi-Carrier Support

The Skyus 160 gateway is the best choice for when your data demands are mission critical or applications are data intensive. Ideal for fixed and mobile environments. Designed to scale, the Skyus 160 will fit both your budgetary and performance needs. An integrated backup battery maintains connectivity and alerting during power outages.

Designed for Versatility, Priced for Scalability

No other solution in the market delivers the reliability, affordable scalability and feature set that the Skyus line provides.

Critical Features for IoT:

- LTE Cat 6 (up to 300 Mbps)
- aGNSS (with active and passive GNSS antenna support)
- Designed for continuous operation in harsh environments
- Wi-Fi 5 and Bluetooth 5.0
- 4400 mAh Battery

- Multiple data interfaces: Ethernet, USB, Wi-Fi
- Multiple power interfaces: PoE, USB, or 4 Pin
- Cloud services and free firmware upgrades
- On-board memory to support edge processing
- Designed and developed in U.S.A.

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

Inseego's support personnel are professionally trained engineers who have hands-on experience with 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 and Inseego Care

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Skyus 160 LTE Gateway Product Specifications

Variants		
Product	Skyus 160 Americas, Europe, Middle East, Africa	Skyus 160 Asia Pacific (future release)
SKUs	SK160NE-ACR	SK160AP-ACR
Carriers	AT&T, Verizon, Sprint (pending), Vodafone	Telstra, Optus, Vodafone
Cellular Bands	LTE: B1-B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 (Supports 2 Carrier Aggregation Downlink) 3G (HSPA+, UMTS): B1, B2, B3, B4, B5, B8	LTE: B1,B3, B5, B7, B8, B18, B19, B21, B28, B38-41 (Supports 2 Carrier Aggregation Downlink) 3G (HSPA+, UMTS): B1, B5, B6, B8, B9, B19 3G (TD-SCDMA): B39
Compliance	GCF, PTCRB (General), IC, cUL (Canada), CE RED, e-Mark, Halogen Free, REACH, RoHS, WEEE (EU) FCC, UL, Ozone Depleting, CA BCS, CA Prop 65 (USA)	GCF, PTCRB (General), RCM-ACMA (AU), ECM (NZ), CE RED, e-Mark, Halogen Free, REACH, RoHS, WEEE (EU)

Technology	
Data Rates	Cat-6 LTE: 300 Mbps Downlink, 50 Mbps Uplink †
User Interface	Skyus Web UI (https://my.skyus/ or 192.168.1.1), Inseego IoT Connect Secure Cloud Platform
Data Interfaces	1x USB Micro-B (host or device), 1x Gb RJ45 Ethernet (PoE in), Wi-Fi, Bluetooth
Wi-Fi	Wi-Fi 5 (802.11 a/b/g/n/ac) up to 15 clients
Bluetooth	BT5.0, BLE Long Range, 20+ Clients, 200m Range (supported in future software release)
GNSS	aGNSS (GPS, GLONASS, Galileo), NMEA, SUPL 2.0 Support, Local UDP and Remote Streaming
Networking	Port Forwarding/Filtering, VPN Passthrough, IP Passthrough, MAC Filtering, DHCP
Power	5 ± 0.25 VDC @ 1A (powered USB 2.0 connection required) via USB Micro-B Connector 9-32 VDC via 4-pin Connector PoE in from PoE host
Antennas	2x SMAs for External Cellular Antennas; 1x SMA for External GNSS Antenna, Internal Wi-Fi/BT Antennas
Backup Battery	4400 mAh Li-ion Rechargeable Pack, 12 Hours of Backup Power
Dimensions	118 x 98 x 33 mm (4.65 x 3.85 x 1.31 in)
Weight	240 g (8.5 oz)
Chassis	Ruggedized Reinforced Plastic
Mounting	Integrated Mounting Tabs for #4 or #6 Screws
SIM	2x 4FF Nano SIM, Hinged Slide-Lock SIM Sockets (Accessible in Battery Tray)
Temperature	Normal Operation: -20– 50 °C (-4 – 122 °F) Storage: -20 – 60 °C (-4 – 140 °F)
OS Support	Windows 7 or newer, Linux Ubuntu 14.04 or newer, Linux Kernel 2.6.32 or newer
Warranty	3 years

† Theoretical speeds only. Actual speeds depend on carrier network implementation and cellular environment.

SKYUS LINE TRUSTED BY:

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