TECHNOLOGY: Global Cat-6 LTE, Wi-Fi and Bluetooth



Skyus™ 160 LTE Gateway for High-Speed Connectivity in Fixed and Mobile Environments

About Inseego

Headquartered in California, 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 US and international government entities as being safe and secure.



Plug and Play

With the Skyus 160 you can easily connect to a 4G LTE network. The two SMA external cellular antennas extend your coverage to enhance your wireless connection.

Remote Networking

Skyus 160 provides fast connection speeds for remote branches, pop-up stores, kiosks, self-serve retail, and work and learn from home environments.

Flexible Deployment Configurations

Access data via Ethernet, USB, or Wi-Fi and power Skyus 160 using USB, PoE (power over ethernet), or DC.

Backup Power Like No Other

The 4400mAh keeps your business connected for up to 12 hours[3] and charges quickly thanks to Quick Charge™ 2.0 technology.

Secure and Encrypted

Skyus 160 safeguards your data with advanced encryption, hacker prevention, and password protection features.

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Skyus 160 LTE Gateway Product Specifications

Network Connectivity[1]
- 4G LTE CAT-6
  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

Wi-Fi
- Wi-Fi 5 (802.11 a/b/g/n/ac)
- Supports up to 15 clients

Chipset
- Qualcomm® MDM9230

Data Rates
- 130 Mbps Downlink, 45 Mbps Uplink[2]

GNSS
- aGNSS (GPS, GLONASS, Galileo)
- NMEA, SUPL 2.0 Support
- Local UDP
- Remote Streaming

Data Interfaces
- USB Micro-B (host or device)
- RJ45 Ethernet (PoE in)
- Wi-Fi
- Bluetooth

Bluetooth
- BT5.0, BLE Long Range, 20+ Clients, 200m Range
  (supports Marathon Products EDL-BT04 and EDL-BT05)

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

Backup Battery
- 4400 mAh Li-ion Rechargeable Pack
- 12 Hours of Backup Power[3]

Charging
- 14.4W Qualcomm® Quick Charge™ 2.0 Charger
- USB Type A to C Cable

Antennas
- Two SMAs for External Cellular Antennas
- One SMA for External GNSS Antenna
- Internal Wi-Fi/BT Antennas

Mounting
- Integrated Mounting Tabs for #4 or #6 Screws

Dimensions & Weight
- 118 x 98 x 33 mm (4.65 x 3.85 x 1.31 in)
- 240 g (8.5 oz)

User Interface
- Skyus Web UI (https://my.skyus/ or 192.168.1.1)

Operating Temperature
- Normal Operation: -20– 50 °C (-4 – 122 °F)
- Storage: -20 – 60 °C (-4 – 140 °F)

Networking
- Port Forwarding/Filtering
- VPN Passthrough
- IP Passthrough
- MAC Filtering
- DHCP

Systems Supported
- Windows® 7 or newer
- Linux Ubuntu 14.04 or newer
- Linux Kernel 2.6.32 or newer

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[1] Data plan required. Coverage subject to network availability.
[2] Theoretical values, speeds achieved by connected devices vary based on network coverage, Wi-Fi connection and device capability.
[3] Theoretical values, battery life and charge time may vary depending on the number of connected devices and activity.

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