TECHNOLOGY: Global LTE Cat 7 & Wi-Fi



Skyus™ 160 Gateway for high-speed connectivity in fixed and mobile environments

Why 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.



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 battery keeps your business connected for up to 12 hours[1] 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 Gateway product specifications

Network connectivity[2]

- 4G LTE Cat 7
  B2, B4, B5, B7, B12, B13, B14, B25, B26, B41, B42, B43, B48, B66, B71
  (Supports 2 carrier aggregation downlink)
- 3G (HSPA+, UMTS)
  B2, B4, B5

Wi-Fi

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

Chipset

- Qualcomm® MDM9250

Data rates

- 300 Mbps downlink, 150 Mbps uplink[3]

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

Power

- 5 ± 0.25 VDC @ 1A (powered USB 2.0 connection required) via USB nicro-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[1]

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

Compliance

- FCC, PTCRB, ISED, CA BCS, CA Prop 65 (USA)

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

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

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