

# SATCOM DIRECT ROUTER (SDR®)

## Your multi-network data powerhouse

The SDR is more than a router; it's a dynamic solution enabling multi-network connectivity. Empower all your devices to seamlessly function at any altitude, leverage enhanced 4G networks when weight on wheels\*, and easily select and update connections, ensuring maximum bandwidth through data compression and caching.

Beyond connectivity, the SDR acts as a conduit for aircraft performance data and grants access to the industry's most sought-after value-added services including SD Pro®.

## FEATURES

### Multi-network connectivity

- Satellite ready solution for LEO and GEO networks, along with L-Band, Ku-Band, Ka-Band, X-Band and ATG communications

### Seamless in cabin experience

- 802.11AC Dual Band (2.4 + 5.0 GHz) Wi-Fi
- Multiple Wi-Fi network support allows for separate guest and/or VVIP networks
- Gigabit Ethernet Support - 8 ports for WAN, LAN and cabin connectivity
- Discrete I/O Support - 5 input and 4 outputs available
- 4G/LTE data for Internet access on the ground and remote support when weight on wheels\*
- Dynamic Controls via SD CABIN app

### Reveal Airplane & Network Data

- ARINC 429 interfaces for location services and/or avionics monitoring

### Access to Value Added Services

- Proactive Network Monitoring
- Data Trend & Analytical Tools
- IP Prioritization & Policy Based Routing
- Intrusion Detection & Threat Monitoring
- SD Cabin Application
- CMS Integration
- SDPro Advanced Connectivity & Flight Forecasting
- SDPro Hardware Module
- 24/7/365 Advanced Support

\*Advanced 4G LTE available regionally



## SPECIFICATIONS

### Aviation grade

- Built to DO-160G, DO-178B Level E certifications

### Dimensions and weight

- Flange mounted form factor
- LRU dimensions:  
9"W x 3.7"H x 10.9"D  
(22.9cm W x 9.4cm H x 27.7cm D)
- LRU weight: 8.6 lbs (3.9 kg)

### Electrical characteristics

- Power: 28V DC
- Passively cooled, no external fan required



## CONNECT WITH US:

+1 888.328.0200 (Toll-free)  
+1 303.301.3271 (Worldwide)  
[connect@gogoair.com](mailto:connect@gogoair.com)  
[www.gogoair.com](http://www.gogoair.com)



# ANTENNA COMPATIBILITY & CONFIGURATION

## Gogo Galileo antenna specifications

	HARDWARE	DESCRIPTION	QUANTITY REQUIRED	DIMENSIONS	WEIGHT	ELECTRICAL CHARACTERISTICS
	HDX Antenna Assembly	Fuselage Mounted Antenna, Modem, Power Supply, GPS and Radome	1	24.0" L x 11.8" W x 2.1" H (609.6 mm L x 299.72 mm W x 53.34 mm H)	21.6 lbs (9.80 kg)	Voltage: 28VDC Maximum Power: 165W
	FDX Antenna Assembly*	Fuselage Mounted Antenna, Modem, Power Supply, GPS and Radome	1	30.0" L x 24.6" W x 2.1" H (762 mm L x 624.84 mm W x 53.34 mm H)	40-45 lbs (18.14-20.41 kg)	Voltage: 28VDC Maximum Power: 330W

\*Dimensions, weight, and power are subject to change.

## Plane Simple Antenna Specifications

Compact 12" tail-mounted antenna, smaller and lighter than comparable systems. Requires just 2 Line Replaceable Units (LRUs).

BAND	LRU CONFIGURATION	TOTAL WEIGHT	MAX POWER CONSUMPTION:
KU	Two (2) LRUs: SMU and ATMA	39.5lbs	303W
KA	Two (2) LRUs: SMU and ATMA	39.5lbs	303W

