

# SATCOM DIRECT ROUTER GATEWAY (SDRG®)

## The router with serious telephony power

Originally designed to be the private branch exchange (PBX) on-wing, the SDRG brings the same dynamic capabilities of the SDR, along with sophisticated telephony features and a convenient 2MCU form factor.

### 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

#### Telephony Power

- A/IPBX (integrated telephone exchange)
- Dual Iridium Transceiver
- 2-Wire POTS, 4-Wire Cockpit Audio
- Configurable FXS/FXO

#### 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

- ARINC 600 2 MCU Form Factor
- LRU dimensions:  
2.25"W x 7.76"H x 14.7"D  
(5.72cm W x 19.72cm H x 237.43cm D)
- LRU weight: 7.3 lbs (3.3 kg)

#### Electrical characteristics

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



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# 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

