

# Satcom Direct Router (SDR™)

More than a router - it's the connectivity platform of the future

## Solution

Manage all of the mission communication systems onboard your aircraft.

## How

Intelligent traffic control allows simultaneous use of current and future government and commercial satellite services.

## Why

It automatically selects the best network for your connection and optimizes QoS while reducing bandwidth costs. It compresses and caches data providing maximum bandwidth for the transmission of information. When the aircraft is on the ground, it switches from a satellite network to 3G service so that you're always connected in the most efficient way.

## The SDR was designed for aviation use by aviation experts

It's loaded with technology, support, and access to the COMSAT team. We provide 24/7/365 technical support to increase mission system uptime at +1 571.599.3600 and sales@comsat.com

## SDR Features

- Satellite-ready solution for L-Band, Ku-Band, Ka-Band and X-Band communications
- Gigabit Ethernet Support
  - 8 ports for WAN, LAN, and Cabin connectivity
- 802.11n Dual-Band (2.4 or 5.0 GHz) Wi-Fi
  - Multiple Wi-Fi network support allows for separate guest and/or VVIP networks
- ISDN Support - 2 ports providing 4 channels of Swift 64 and voice calling using AeroV®
- 3G data support for Internet access on the ground and remote support
- ARINC 429 interfaces for location services and/or avionics monitoring
- Discrete I/O Support - 4 input and 4 outputs available
- AeroXR<sup>SM</sup> allows acceleration, compression, optimization and caching of multiple satellite links
- Global One IP<sup>SM</sup> (GOIP) provides a single IP address assigned to the aircraft, allowing seamless handover across multiple WAN networks while maintaining a VPN connection
- GlobalVT<sup>®</sup> enables you to use voice and text with your number on your smartphone in-flight, anywhere in the world

# SDR™ Comparison

## Advanced Technology

Manage all mission and flight deck communication systems onboard your aircraft, now and in the future.

	SDR™	Other
Multi-port network router with a data accelerator module	X	X
Provides all necessary cabin network functions with a power source and a web-based interface	X	X
Interface to all current and future networks	X	
Automatically syncs the right provider to the right service	X	
Able to split SSIDs to prioritize traffic and/or devices for data usage	X	

## SDR Specifications

- Size: 10.9"L x 9"W x 3.7"H (276.86mm L x 228.6mm W x 93.98mm H)
- Weight: 8.6 lbs
- Power: 28V DC
- Certifications: DO-160G, DO-178B Level E

## SDR Mobile App Includes

- Onboard cabin services
  - Moving map and Flight Tracker
  - Command and control of satellite links
- Real-time connection status reporting



Satcom Direct® exclusive services compatible with SDR

