

# Gogo 5G

## A new era of connectivity performance, dedicated to aviation

5G is the mobile broadband experience of the future and Gogo 5G<sup>SM</sup> is bringing that experience to the sky. Gogo 5G is a complete 5G network dedicated exclusively to business aviation and it will give you more of everything you love about inflight connectivity: more speed, more capacity, more devices, more bandwidth, and more live experiences. With Gogo 5G, you can stay ahead of the staggering growth in data demands, you can easily serve an entire fleet of smartphones and computers in the cabin and the cockpit, and you'll be ready for the next wave of applications, services and live online interactions that will be built for 5G performance.



How do you get Gogo 5G connectivity on your aircraft? It's all made possible by the Gogo AVANCE platform. To get the full Gogo 5G experience, install an AVANCE L5 platform line replaceable unit (LRU), enhance it with a Gogo X3 (5G LRU), and belly mount two sophisticated MB13 antennas. You'll then be ready for exceptional inflight Wi-Fi that serves today's executive demands, as well as tomorrow's.

### FEATURES

#### Incredibly fast Gogo 5G inflight internet – supports streaming

- ~25 Mbps on average with 75-80 Mbps peak speeds
- At launch, Gogo 5G will provide 100% coverage in the continental U.S plus seamless Gogo Biz 4G coverage in portions of Canada and Alaska. Gogo is planning to expand 5G coverage into Canada and Alaska.

#### Smart router for an integrated, automated cabin experience

- Advanced 802.11ac dual-band router (5GHz & 2.4GHz) maximizes bandwidth and optimizes in-cabin Wi-Fi performance
- Dynamic, multi-bearer data and voice management

#### Gogo Vision inflight maps, entertainment and information

- Gogo 3D Moving Map
- Destination weather (coming soon)
- News clips
- eMagazine (subscription required)
- Unlimited licensed movies (subscription required)
- Unlimited TV episodes (subscription required)
- Multi-language audio tracks and user interface selection
- Automatic content updates available at any Gogo Cloud global FBO location or via Gogo Cloudport
- One touch access to select Cabin Management System (CMS) services (contact Gogo for information)

#### Gogo Text & Talk for personal smartphone use

- Use your personal smartphone to call and text in the air

#### A true 5G network - Adherence to 3GPP standards

- 5G chipset in its modem design
- 5G standalone network core
- Beamforming antennas
- Massive MIMO (Multiple Input, Multiple Output) is one of the main enabling technologies in 5G wireless communications
- Network architecture based on Network Function Virtualization (NFV) and Software Defined Networking (SDN)



#### Proprietary multi-band, beamforming, phased-array antennas

- Gogo's multi-band (MB13) antennas enable licensed and unlicensed spectrum connectivity in the sky and terrestrial modem connectivity on the ground.
- Beamforming MB13 antennas create a more direct signal that boosts performance and delivers a better-quality connection with less interference.

#### Aviation standard

- Designed to DO-178C

#### Award-winning service and support

- 24/7/365 monitoring and global support and remote service activations
- Gogo DASH tools provide visibility into the health of Gogo systems and control to customize your connectivity experience
- Ranked #1 in the Aviation International News (AIN) Product Support Airborne Connectivity customer satisfaction survey

#### Terrestrial modem

- Complimentary internet on the ground in 100+ countries

## SPECIFICATIONS

HARDWARE	DESCRIPTION	QUANTITY REQUIRED	DIMENSIONS	WEIGHT	ELECTRICAL CHARACTERISTICS
AVANCE L5	AVANCE platform LRU	1	<b>LRU only:</b> 6.34" W x 7.64" H x 13.24" D <b>LRU + mounting tray:</b> 6.55" W x 9.99" H x 16.24" D	<b>LRU only:</b> 18.0 LBS <b>LRU + mounting tray (fan):</b> 22.2 LBS	<b>Voltage Range:</b> 20.5VDC to 32.2VDC <b>Maximum Power:</b> 192W at 20.5V input with heaters on. <b>Maximum Power:</b> 230W at 28.0V input with heaters on
Gogo X3	Gogo 5G LRU	1	<b>LRU only:</b> 3.293"W x 7.64"H x 13.27"D <b>LRU + mounting tray:</b> 4.18"W x 9.99"H x 16.62" D	<b>LRU only:</b> 6.5 LBS <b>LRU + mounting tray (fan):</b> 9.5 LBS	<b>Voltage Range:</b> 20.5VDC to 32.2VDC <b>Maximum Power:</b> 120W at 20.5V input with heaters on. <b>Maximum Power:</b> 108W at 28.0V input with heaters on
MB13	Multiband Phased Array Antenna	2	4.52" W x 15.07" L x 7.79" H	6.0 LBS	Conditioned power provided by X3 LRU, Thermal design power is 25W RMS Peak per Antenna

## PRICING

### Gogo 5G Data Plans\*

PLAN NAME	DATA INCLUDED	MONTHLY FEE	OVERAGE	NOTES
Gogo 5G 10000	10 GB	\$5,000	\$0.70/MB	Streaming enabled
Gogo 5G 20000	20 GB	\$6,200	\$0.50/MB	Streaming enabled
Gogo 5G 30000	30 GB	\$7,500	\$0.45/MB	Streaming enabled
Gogo 5G 40000	40 GB	\$8,500	\$0.40/MB	Streaming enabled
Gogo 5G 50000	50 GB	\$9,500	\$0.40/MB	Streaming enabled
Gogo 5G Limitless	Unlimited	\$14,995	No overages	Streaming enabled

\* Multi-aircraft discounts available

### Gogo Vision - Options

Gogo Vision Standard	Gogo Vision+	Gogo Vision 360
Complimentary with all AVANCE systems	\$500/month	\$849/month
	\$12,000 one-time fee**	

\*\*Available from authorized Gogo OEM/Dealer representative

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| <ul style="list-style-type: none"> <li>- 3D Moving Map <b>(Base)</b></li> <li>- Destination Weather (coming soon)</li> <li>- News Clips</li> </ul> | <ul style="list-style-type: none"> <li>- 3D Moving Map <b>(Premium)</b></li> <li>- Destination Weather (coming soon)</li> <li>- News Clips</li> <li>- <b>eMagazines</b></li> <li>- <b>Cloudport</b></li> </ul> | <ul style="list-style-type: none"> <li>- 3D Moving Map <b>(Premium)</b></li> <li>- Destination Weather (coming soon)</li> <li>- News Clips</li> <li>- eMagazines</li> <li>- Cloudport</li> <li>- <b>Unlimited Movies</b></li> <li>- <b>Unlimited TV</b></li> <li>- <b>International Languages</b></li> </ul> |
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### Gogo Voice/Gogo Text & Talk Plans\*\*\*

PLAN NAME	MIN/MONTH	MONTHLY FEE	FEE/ADDITIONAL MIN
Silver Voice	60	\$134.95	\$1.50
Gold Voice	120	\$234.95	\$1.40
Platinum Voice	360	\$539.95	\$1.35
Corporate Voice	1,000	\$999.95	\$1.30

\*\*\* Requires an active data plan

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