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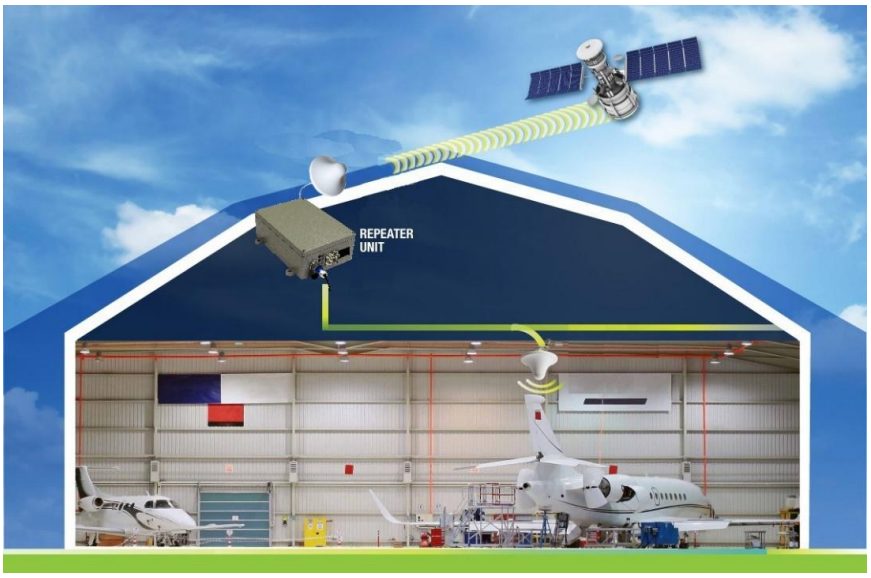
completing the picture

Repeater Solutions for Hangars

Inmarsat & GNSS Repeater Solution for Hangars



Advantages

- **Testing can be done indoors at any time and in any climate**
- **Easy to install and maintain**
- **Quick return on investment**

Benefits

- **Savings on aircraft tug and technical personnel**
- **Savings on heating and cooling costs**
- **Delivery time is improved because the entire testing process is faster**

Product Description

Global Foxcom is offering a unique, Inmarsat & GNSS Coaxial Repeater solution for Inmarsat BGAN satellite terminal coverage. The repeater enables transmission of Inmarsat and GNSS signals from outdoor to indoor. This solution, which provides Inmarsat coverage to bunkers and aircraft hangars, saves money because **there is no need to take aircrafts out of the hangars each time avionics systems need to be tested.**

The Inmarsat system is supplied as a ready-to-install kit that includes an IP65 outdoor-rated AC to DC power supply repeater unit, cabling and antennas.

Up to 5,000 ft^2 of hangar space can be covered by a single system with a ceiling height of 130 ft.

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Specifications

Inmarsat Repeater Specifications		
Downlink (DL)		
Frequency range	1525–1559MHz	
RF input/ RF output VSWR	1:1.6	
DL RF input signal range [total power]	Up to -20dBm	
Downlink gain	48dB (±10dB Adjustable)	
DL Noise figure	<5dB	
Uplink (UL)		
Frequency range	1626.5–1660.5MHz	
RF input/ RF output VSWR	1:1.6	
UL RF input signal range [total power]	Up to -20dBm	
Uplink gain	48 (±10dB Adjustable)	
UL Noise figure	<20dB	
GNSS Support Specifications		
GPS support type	L1/L2/L5	
GLONASS support	G1/G2/G5	
Galileo support	E6/E5	
Antenna Information	**Outdoor**	**Indoor**
Inmarsat	Directional RHCP	Directional RHCP
GNSS[1]	Active saw filtered Omni	Passive Omni
Repeater Physical Specifications		
RF connectors	Dual N-Type Female	
Dimensions	34cmL x 29cmW x 14.2cmH	
Operating temperature	-30 to +55° C	
Electrical Specifications		
Power	100-220VAC 50-60Hz	

1 L2/L5, G2/G3 GNSS use separate indoor and outdoor antennas.

Ordering Information

Model Number	Description
INMRKIT01-X-H-L125	Hangar optimized Inmarsat/GPSL1, 2, 5 coaxial repeater kit: Contains an IP65 outdoor-rated repeater unit with adjustable Uplink/Downlink gain control. Repeater is powered by a 100-220VAC 50-60Hz AC-DC PS. Kit is supplied with a high performance Inmarsat outdoor RHCP directional antenna, Inmarsat indoor directional RHCP antenna, outdoor GPS Active antenna, Indoor GPS antenna, 2 x 5m LMR400 antenna cable, and 2 x 20m LMR400 RF cable. System supports Inmarsat BGAN services and GPS L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5a+b.
INMRKIT01-X-H-L1	Hangar optimized Inmarsat/GPSL1 coaxial repeater kit: Contains an IP65 outdoor-rated repeater unit with adjustable Uplink/Downlink gain control. Repeater is powered by a 100-220VAC 50-60Hz AC-DC PS. Kit is supplied with a high performance outdoor RHCP directional antenna, indoor directional RHCP antenna, 5m LMR400 antenna cable, and a 20m LMR400 RF cable. System supports Inmarsat BGAN services and GPS L1, BeiDou B1, Galileo E1.

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