FOXCOM

Complete RF-2-Fiber Solutions

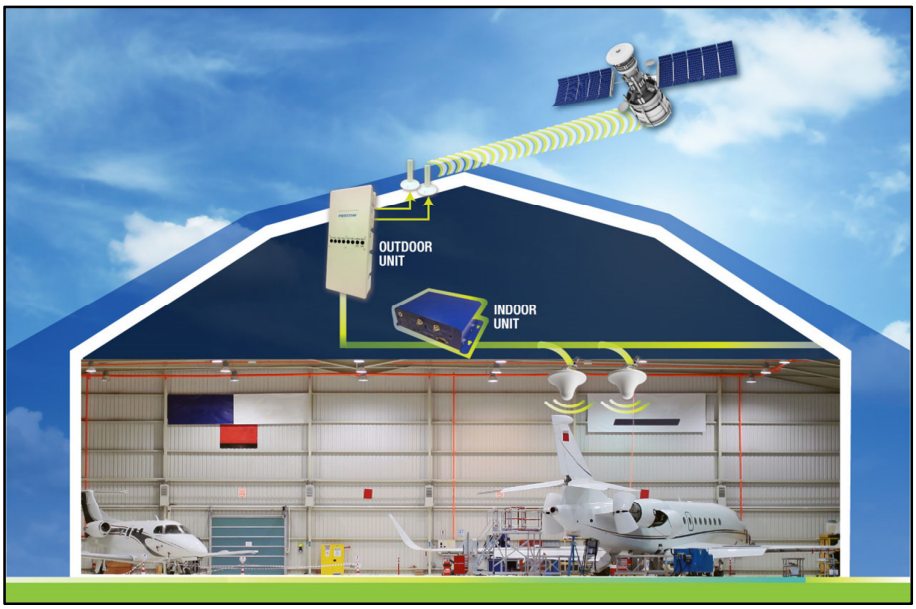
Repeater Solutions for Hangars

Iridium & GPS Optical Repeater for Hangars

Product Description

Foxcom is offering a unique, Iridium & GPS optical repeater solution for Iridium satellite phone coverage. The repeater enables transmission of Iridium and GPS signals from outdoor to indoor. This solution, which provides Iridium coverage to bunkers and aircraft hangars, saves money because **there is no need to take aircrafts out and back in to hangars each time aircraft systems need to be tested**.

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



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**

iridium

Specifications

Iridium Optical Repeater Specifications		
Downlink		
Frequency range	1500-1650MHz	
ODU input/IDU output VSWR	1:1.6	
ODU RF input signal range [total power]	up to –20dBm	
Downlink gain	(±10dB Adjustable)	
Noise figure	<5dB	
Uplink		
Frequency range	1500-1650MHz	
IDU input/ODU output VSWR	1:1.6	
IDU RF input signal range [total power]	up to –20dBm	
Uplink gain	(±10dB Adjustable)	
Noise figure	<5dB	
Optical Specifications		
Required fiber type	Dual SMF-28 or equivalent [single mode]	
Optical wavelength	1310 ±10nm	
IDU/ODU optical power output	-3dBm / 0.5mW (Min)	
Optical connector	FC/APC	
Fiber length	3Km max (2dB).	
Physical Specifications	**Indoor**	**Outdoor**
RF connectors	Dual SMA Female	Dual N-Type Female
Dimensions	8.4” x 2.5” x 5.6”	14” x 6” x 3”
Operating temperature	-20 to +55° C	-30 to +55° C
Electrical Specifications		
Power	100-220 V AC; 50-60 Hz	24 V DC.

* ODU unit is supplied with an IP65 outdoor-rated, AC to DC power supply

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