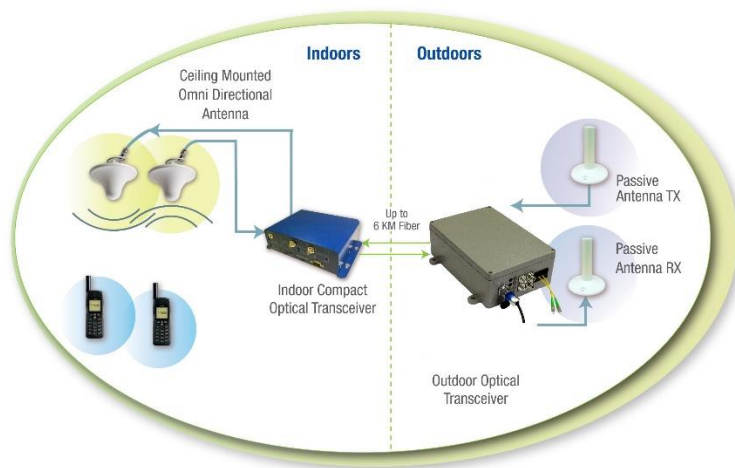




Iridium Repeater

Iridium Optical Repeater



Applications

- **Underground Facilities**
- **Military Bunkers**
- **Submarines**
- **Maritime**
- **Oil Rigs**

Product Description

Global Foxcom is offering an exclusive Iridium optical repeater solution, which enables users to stay connected to the world at all times even if all primary communication networks are down. The Iridium handset does not require sky view to operate, so users can remain inside in control rooms or bunkers during an emergency.

In addition, users can enjoy the many benefits that optical fiber has to offer, such as low RF transmission loss, improved signal quality, lightning protection, safety and ease of installation.

Global Foxcom's RF-over-Fiber repeater is the ideal solution for mobile satellite connectivity in any indoor location, such as a control room, an operations room and a military bunker.

The kit consists of Global Foxcom's Sat-Light G4000 series outdoor unit (ODU), a DC-powered compact unit, dual outdoor Iridium antennas and dual indoor ceiling mount antennas. RF coax cables are also included in the package. Pre-connectorized fiber cables are available in different lengths as an option.

Global Foxcom offers a full SATELLITE repeater solution, which includes a separate or integrated GPS system as well as Inmarsat. For more information, contact Global Foxcom sales.



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Specifications

Iridium Optical Repeater Specifications

Downlink

Frequency range	1616-1626.5MHz
ODU input / IDU output VSWR	1:1.6dBm
ODU RF input signal range [total power]	Up to -20dBm
Noise Figure]	<5dB

Uplink

Frequency range	1616-1626.5MHz
IDU input / ODU output VSWR	1:1.6dBm
IDU RF input signal range [total power]	Up to -20dBm
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	Single SMA Female	Dual N-Type Female
Dimensions	Compact 20.8cmL x 13.2cmW x 6cmH	36Lx29Wx13.5Hcm
Operating temperature	-20 to +55°C	-30 to +55°C

Ordering Information

Product Part Number	Description
IRIDIKIT01	Iridium Optical Repeater kit, includes 19" 1RU indoor chassis and IP65 ODU
IRIDIKIT01C	Iridium Optical Repeater kit, includes compact indoor unit and IP65 ODU