

Available now

FOXCOM
Complete RF-2-Fiber Solutions

SURICATE
Iridium Optical Link

SURICATE is the revolutionary communication solution that provides people in underground and other closed facilities with the ability to communicate over standard satellite phones without having to leave their secure surroundings.

Iridium users can now enjoy the many benefits that optical fiber has to offer, such as improved signal quality, lightning protection, safety and ease of installation.

SURICATE provides coverage extension for Iridium satellite phones, using optical fiber that extend your signal up to 6km – even underground – without losing the signal quality!



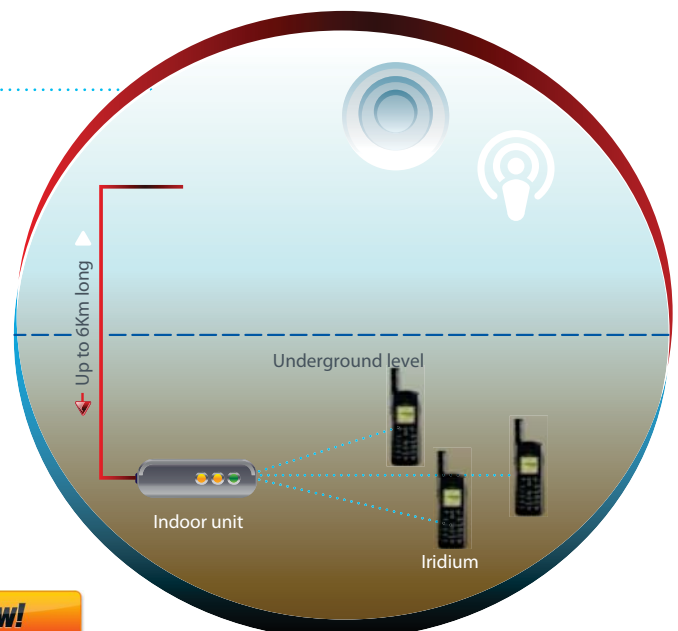
TARGET MARKETS

- Military facilities
- High-security installations
- Maritime
- Skyscrapers
- Expeditions to remote locations
- Mines



KEY FEATURES

- Complete solution for using Iridium devices without sky view
- Supports up to 6 satphones simultaneously
- The only Iridium-based communication solution that extends to 6km
- Extends GPS signal indoors (optional)
- Simple installation



Buy Now!



IRIDIUM OPTICAL LINK 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 ¹	40dB (± 10 dB adjustable)
Noise figure	<5dB

UPLINK

Frequency range	1600-1650MHz
IDU input/ODU output VSWR	1:1.6
IDU RF input signal range [total power]	up to +30dBm
Uplink gain ¹	40dB (± 10 dB adjustable)
Noise figure	<5dB

OPTICAL SPECIFICATIONS

Required fiber type	Dual SMF-28 or equivalent [single mode]
Optical wavelength	1310 ± 10 nm
IDU/ODU optical power output	-3dBm / 0.5mW (min)
Optical connector	FC-APC
Fiber length	up to 6km

PHYSICAL SPECIFICATIONS

	INDOOR	OUTDOOR
RF connectors	Single SMA Female	Dual N-Type Female
Dimensions	19" Wide 1U Chassis	14" x 6" x 3"
Operating temperature	-20 to +55° C	-30 to +55° C
Input power	100-240VAC, 50/60Hz	100-240VAC, 50/60Hz

¹Within optical range

Specifications are subject to change without notice



Outdoor unit



Indoor unit



Optical fiber



Outdoor antenna x2

Since 1993, **Foxcom** has been recognized as one of the industry pioneers in RF-over-Fiber technology.

Foxcom's optical solutions are designed to support increased RF bandwidth capacity and have the capability of delivering unprecedented performance in the most demanding of applications.

Foxcom continues to expand its product portfolio with a wide range of commercial, government and military markets.

Along with its global network of distributors and resellers, **Foxcom** serves customers in over 100 countries covering diverse market segments.



Digisat International Inc.
4195 W. New Haven Ave., Suite 15
Melbourne, FL 32904
USA
+1-321-676-5250
Email: sales@digisat.org
<http://www.digisat.org>