

**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 most known satellite phones, such as Iridium satphones, using optical fiber that extend your signal up to 3km – even underground – without losing the signal quality!



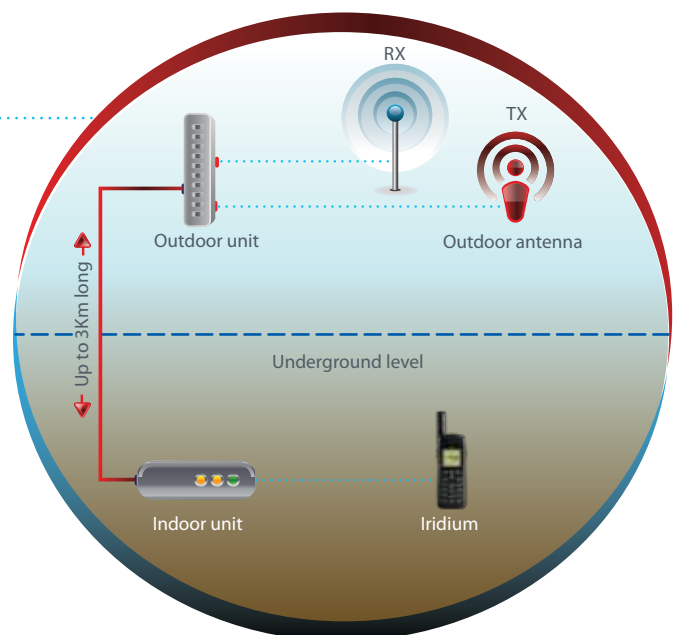
## TARGET MARKETS

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



## KEY FEATURES

- Complete solution for using Iridium devices without sky view
- The only Iridium-based communication solution that extends to 3km
- Simple installation



## IRIDIUM OPTICAL LINK SPECIFICATIONS (P/N SP0618)

### DOWNLINK

Frequency range	1600-1650MHz
ODU input/IDU output VSWR	1:1.6
ODU RF input signal range [total power]	up to -20dBm
Downlink gain <sup>1</sup>	40dB (±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 +30dBm
Uplink gain <sup>1</sup>	40dB (± 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	up to 3km

### 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

<sup>1</sup>Within optical range

Specifications are subject to change without notice



Outdoor unit



Indoor unit



Optical fiber



Outdoor antenna x2

**Gilat Satcom** is a communication solutions provider that offers satellite and fiber-based connectivity services in Africa, Asia and the Middle East. With successful deployments in over 50 countries worldwide, Gilat Satcom delivers high quality, cost-effective and efficient communication solutions to telcos, ISPs, governments, enterprise customers and international organizations.

At **Gilat Satcom**, we are committed to delivering the highest complete solution and excellent service to our customers. Our experienced teams of technical experts and customer professionals ensure business continuity and the highest level of customer satisfaction. Founded in 1992, Gilat Satcom is part of the Eurocom Group, the largest communication group in Israel. Always attuned to our customers' needs, we make space for everyone.