

SpARX

SOFTWARE DEFINED RADIO (SDR) MODEM



**HIGH DATA
THROUGHPUT**

HIGH DATA THROUGHPUT

SpARX SDR Modem is state-of-the-art technology for point-to-point SCPC (Single Channel Per Carrier) connectivity for a wide range of fixed and mobile applications such as IP trunking, cellular backhauling, disaster recovery, enterprise (broadcasters, corporate, ISP) maritime, aviation, MEO, LEO, GEO operations, government and defense applications.

The SpARX product line fully complies with the DVB-S2 standards, achieving the highest possible efficiency at maximum service availability. It is the most spectrum-efficient and secure high-speed SATCOM modem solution available in the market today.

TECHNICAL SPECIFICATIONS

SCPC Connectivity : Associate with the map

Wideband Options (C-band, X-band, Ku-band and Ka-band)

DVB-S2 Waveform

Layer-2 and Layer-3 Support

Open AMIP Antenna Interface Support for SATCOM on the Move (SOTM) Applications

MIL-STD-810G/MIL-STD-461E/MIL-STD-704 standards

USE CASES



IP Trunking

SpArx SDR Modem can be used for IP trunking, which is the use of satellite links to connect two or more networks. This is useful for businesses that have multiple locations that need to be connected, but may not have access to terrestrial links.



Cellular Backhaul

SpArx SDR Modem can also be used for cellular backhaul, which is the use of satellite links to provide connectivity to remote or rural areas that are not covered by terrestrial networks.



Disaster Recovery

During times of disasters, terrestrial communication links may be damaged or destroyed, making it difficult to communicate and coordinate rescue and recovery efforts.



Government and Defense Applications

SpArx SDR Modem is also suitable for government and defense applications, providing secure and efficient communication links for military and government agencies.