Wireless Your Way

SiFLEX02

LS900-SI-02

Reliable RF Link Providing **Over 2 Miles** of Superior Range & Interference Performance

ModFLEX™

SiFLEX

ProFLEX

WiFLEX

Order Number Description

LS900-SI-02-A30
SiFLEX Module with Wire Antennas

LS900-SI-02-A20
SiFLEX Module with U.FL Connector

LSDEV-SI02-A30
SiFLEX Development Kit

SERVICES AVAILABLE BY LS RESEARCH

Design
Certification Center
Smart Energy Devices
Radio Modules
Manufacturing

For more information please contact:

262-375-4400
www.lsr.com

SIMPLE SiFLEX02 NETWORK PROTOCOL:

- Star Networks
- Simple Repeating
- Serial Communication API (UART)

EACH SiFLEX02 MODULE INCLUDES THE FOLLOWING SUPPORTING HARDWARE:

- **Mini Gateway Ethernet**
- **Mini Gateway USB**
- **Development Board**
- **Repeater**

SiFLEX02 KEY FEATURES INCLUDE:

- 900 MHz DSSS Transceiver
- Supports 802.15.4/ZigBee/6LoWPAN
- Very Versatile, Ultra Low Power Microcontroller Platform
- 250mW RF Output Power
- -102dBm RF Receive Sensitivity
- 2.0V to 3.45V Operation
- Power Consumption
   285mA in Transmit
   30mA in Receive
   2uA in Sleep
- 256K Flash/ 16 RAM/ 4K EEPROM
- On Board Wire Antenna or U.FL Connector for External Antenna
- FCC/IC Approved
- Data Rate up to 1MBps
- AES Encryption
- Open Hardware Platform to Enable User Developed Application Code

ModFLEX™
by **LS RESEARCH**

LSR offers its' customers the option to either purchase the module, or just license the design files.
The choice is yours.

0410