

Wireless Your Way

WiFLEX03

LS240-WI-03

A Low Cost, Low Power WiFi Module
Supports 802.11 b/g/n for Embedded Applications



WiFLEX03 KEY FEATURES INCLUDE:

- High Performance 32 bit Arm Cortex Processor
- Flexible Software Interface
- SPI Host Protocol
- Integrated Inverted-F Antenna
- FCC/IC Certified (*pending*)
- RF Sensitivity up to -92dBm
- 18 dBm RF Output Power
- 3.0V to 3.6V Operation
- 256K Flash / 64K RAM
- Power Consumption
 - 300mA in Transmit
 - 100mA in Receive
- Open Hardware Platform to Enable User Developed Application Code

EACH WiFLEX03 MODULE INCLUDES THE FOLLOWING SUPPORTING HARDWARE:

- **Advanced Architecture Gateway**
 - True Receiver Diversity System or Dual Frequency Support (DFS™)
 - Ethernet / USB / RS232 Interface
 - Battery Backup
 - Micro SD Card Slot
 - Optional WiFi Support
 - Dual Module Support for Bridging
- **Development Board**
- **Sensor Option Boards**

SIMPLE WiFLEX03

NETWORK PROTOCOL:

- Hardware support for IEEE 802.11i, WPA2, WPA and WEP security
- Built in Range Test to Evaluate RF performance
- Built-in API to Support Custom Software Apps.
- No external flash required for user application code.

ModFLEX™

SiFLEX

ProFLEX

WiFLEX

Order Number Description

LS240-WI-03-A10
WiFLEX Module with Inverted-F Ant.
LS240-WI-03-A20
WiFLEX Module with U.FL Connector
LSDEV-WI03-A10
WiFLEX Development Kit

SERVICES AVAILABLE BY LS RESEARCH

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