

# SX-6K3-EVK

## AR6003 Radio Evaluation Kit



### Simplify Your Wireless LAN Radio Evaluation

The Silex SX-6K3-EVK evaluation kit allows you to easily evaluate Silex Wireless LAN modules and System-in-Package (SiPs) based on the Qualcomm Atheros AR6003 radio.

The SX-6K3-EVK combines the Freescale i.MX53 Quick Start Board running Ubuntu Linux and Silex 802.11a/b/g/n (SX-SDCAN/SX-SDMAN/SX-SDPAN) or 802.11b/g/n (SX-SDMGN/SX-SDPGN) radio hardware solutions. The evaluation platform includes a sample radio driver and tools to test the following:

- Basic Wireless Functionality
- Enterprise Security
- Throughput

To simplify evaluation, the SX-6K3-EVK boots directly into the GNOME desktop and includes step-by-step instructions for setup and testing.

#### What is Included:

- 1 x Freescale i.MX53 Quick Start Board
- 1 x Silex Radio Module \*
- 1 x Freescale i.MX53 Getting Started DVD
- 1 x 4 GB microSD card pre-loaded with Linux OS
- 1 x Quick Start Guide
- 1 x Power supply 5V with adapters for worldwide use
- 1 x USB standard A to Micro-B cable
- 1 x Ethernet cable
- 1 x DB9M to DB9F serial cable

\* Depends on single vs. dual band

#### Software Features:

- **Ubuntu Linux:**  
Pre-installed with Ubuntu 10.04
- **GNOME Desktop:**  
Pre-installed with GNOME v2.30 Graphical User Interface  
Requires Monitor, USB Keyboard and Mouse
- **Pre-installed Silex AR6003 driver:**  
The Silex AR6003 driver is loaded to enable communication via the radio to evaluate performance
- **iwlist:**  
Displays information on available wireless networks
- **iperf:**  
Provides a measurement of network throughput

#### Ordering Information

- SX-6K3-EVK-DB 802.11a/b/g/n Evaluation Kit  
(Includes cable and antenna)
- SX-6K3-EVK-SB 802.11b/g/n Evaluation Kit  
(Includes cable and antenna)

For additional information, contact your Silex representative, or call us at US toll free 866-765-8761.

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