

SX-6K3-EVK-SD

Silex AR6003 Radio Evaluation Kit



Conveniently Evaluate Silex Wi-Fi on your i.MX6 Sabre SD with our Optimized Driver/Security Supplicant

The SX-6K3-EVK-SD evaluation kit allows you to easily evaluate the Silex software and hardware solutions for our Atheros 6003 based products. Included in the kit is the latest Silex developed AR6003 Radio Driver, Security Supplicant and wireless tools along with our industry leading SX-SDCAN WLAN radio module.

The SX-6K3-EVK-SD is designed to provide the optimum platform with which to evaluate the Wireless Radio Module and Silex Radio Driver with the Freescale's i.MX6 processor on the Sabre Smart Devices board (MCIMX6Q-SDB). The evaluation platform includes the Silex Radio Driver, Security Supplicant and wireless tools to allow evaluation of the following:

- Wireless Connectivity Quality
- Enterprise Wireless Security Compatibility
- Radio Performance and Throughput
- Roaming performance
- Configuration options

To simplify evaluation, the SX-6K3-EVK-SD comes with a SD card pre-loaded with an Ubuntu Linux image containing binary images of Silex Technology's optimized AR6003 dual band driver, Security Supplicant and test utilities. By simply replacing the SD card in your Sabre-SD EVK, the system boots directly from the SD card into the GNOME desktop. It includes step by step instructions for setup and testing of the WiFi interface.

What is Included:

- Silex Radio Module (SX-SDCAN – 802.11a/b/g/n+BT4.0)
- Silex SD card pre-loaded with:
 - Ubuntu Linux OS image
 - Silex Technology's optimized AR6003 dual band driver, Security Supplicant and utilities
 - User guide and Quick Start Guide

- EVK Quick Start Guide
- OTG USB cable (for connecting USB keyboard and mouse to the Sabre-SD EVK)
- Antenna and RF Cable

Software Features:

- **Ubuntu Linux:** SD card pre-installed with Linux Kernel 3.0.35 (Ubuntu 11.10)
- **Pre-installed Silex Technology AR6003 Radio Driver/ Security Supplicant:** Silex Technology's optimized AR6003 wireless driver auto loads on startup
- **GNOME Desktop:** OS image boots GNOME desktop automatically. AR6003 driver works with GNOME network Manager to provide network access
- **swxlanconfig Utility:** Silex wireless utility which provides additional radio control
- **iperf:** Provides a measurement of network throughput
- **Linux Console Support:** Access to the Linux console is available through the Serial to USB connector on the Sabre-SD card

Ordering Information

SX-6K3-EVK-SD: 802.11a/b/g/n Evaluation Kit with SD card (Linux image, driver/Security Supplicant & utilities)

Requires:

- Freescale Sabre SD board (MCIMX6Q-SDB)
- Monitor, USB Keyboard and Mouse for GNOME Desktop

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