# *Preliminary*



# AR6002 WLAN Radio Evaluation Kit
## SX-6K2-EVK

### Simplify your WLAN Radio Evaluation

## Easily evaluate Atheros AR6002 based WLAN radio modules

Designed to work with silex 802.11a/b/g SDIO module products via a SD card slot, SX-6K2-EVK runs BusyBox, and is pre-loaded with the AR6002 driver with the most common utilities needed for evaluation and regulatory testing.

### What Is Included:

- 1 x Development daughter board
- 1 x Controller module with SDIO socket
- 2 x Chip antenna (On-board)
- 1 x Power supply 5V
- 1 x AC power cord for EU
- 1 x AC power cord for US
- 1 x DB9 female – DB9 female serial cable (1,82m)

➡ **Wireless SDIO radio card module sold separately**

### Ordering Information:

The following wireless SDIO radio cards can be used with SX-6K2-EVK, and are available from silex.

P/N: SX-SDCAG-2831      802.11a/b/g SDIO module
P/N: AR5BSD-00025G      802.11b/g SDIO module



SX-SDCAG-2831

### Software Features:

- **Pre-intalled AR6002 driver:**
  The standard AR6002 driver is loaded to enable communication via the radio to evaluate performance.

- **iwlist:**
  Displays information on available wireless networks.

- **iperf:**
  This application provides a measurement of network throughput.

- **pi calculator:**
  This is a CPU loading utility used in conjunction with the Linux/GNU "top" utility to get system resource usage.

- **Regulatory driver:**
  A separate driver is required to perform specialized functions needed for regulatory testing, such as continuous transmit on a single frequency. This driver is also included to support regulatory testing.

- **Test mode script:**
  A test mode script is provided to easily switch the unit between regular operation and the regulatory test mode.

- **Configuration:**
  The unit can be configured from the console serial port. Status information is also displayed via this port.

For additional information, please contact your silex representative.

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