



SX-ULPGN-EVK-AT

The following items should be present in the Evaluation Kit Box:

- SX-ULPGN-EVK-AT radio card.
- USB-A to UART adapter cable (Communications & Power)
- This Quick Start Guide

If any of the above items are missing please contact Silex Technology America technical support immediately:

Tel (US):	866.765.8761
Tel (International):	+1.801.748.1199
e.mail:	support@silexamerica.com





3	Open a terminal emulation application e.g. teraterm, PuTTy, etc. (Serial settings: 115200N81)
4	Open a session associated with the COM port assigned to the EVK.
5	Alternatively you can also use the High Speed UART
Full documentation on the SX-ULPGN can be found on the Silex and Arrow	

The SX-ULPGN is based upon the Qualcomm QCA4010 chipset. Hardware and software SDK's can be found on the Qualcomm Developer Network (QDN.com)



Configure USING AT COMMANDS ... SX-ULPGN-EVK-AT

Prior to configuring the interface you will need to either set-up a test wireless network or know which available wireless network you want to connect the EVK to. In either case you will need to know the following information prior to attempting to connect:

- Network SSID.
- Security configuration and appropriate credentials. The following uses WPA2-PSK, you will need to know the PSK.

1	Use the following command to open the network: atwa=ssid
2	Use the below command to connect to a network using CCMP method: atwawpa=ssid,2,ccmp,ccmp,passphrase
	After the SSID is set and step #1 and 2 is completed the following prompt is displayed:
	COM22 - Tera Term VT File Edit Setup Control Window Help
3	Hostless UART-SXAT Firmware version : 2.12.2 Target version : 5.1.0.70 (Mar 10 2017 17:11:36) OK atwawpa=WPA2PSK_U_BCSC02500,2,ccmp,ccmp,12345678 OK atnset? IP:10.254.2.112, Mask:255.255.255.0, Gateway:10.254.2.1 OK atnping=10.254.2.1 OK

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Links:

Qualcomm QDN: SX-ULPGN-EVK-AT:



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How to enable/maintain the webserver connection: ats111=1

ats109=1 at&w

atz An AP named SilexAABBCC (AABBCC=the last 6 octets of the SX-ULPGN's MAC addr) turns ON. Enter 10.0.0.1 as a URL from a browser in any phone/tablet/pc and the webserver appears and you can connect it to a network.

The browser connection page looks like the image:



The SX-ULPGN-EVK-AT supports the use of a JTAG interface for programming of device firmware. A compatible JTAG adapter is available directly from Arrow Electronics.

The compatible JTAG devices part number is FTDI C232HM-DDHSL-0.

https://developer.gualcomm.com/hardware/gca4010-12 http://silexamerica.com/products/connectivity-solutions/embedded-wireless/IoT-Modules/sx-ulpgn-evk-at

Arrow Purchase Link: https://www.arrow.com/en/products/sx-ulpgn-evk-at/silex-technology-america

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