SX-ULPGN-EVK-AT
802.11n Wi-Fi Internet-of-Things Evaluation Kit with UART AT Command Set

Conveniently Evaluate SX-ULPGN Wi-Fi Module
Add Wi-Fi to your Host MCU Based IoT Applications

SX-ULPGN-EVK-AT is an ultra-low-power 802.11b/g/n Wi-Fi IoT evaluation kit. It enables rapid development of cost-effective Wi-Fi connectivity for embedded devices. It features the SX-ULPGN module and access to the module's bootstrap options, mode configuration, interface extension, peripheral access and power supply. SX-ULPGN-EVK-AT brings out the UART, SPI, I2C, I2S, PWM, ADC, JTAG, and GPIO interfaces of the module. SX-ULPGN-EVK-AT can also be used for module manufacturing test.

Powered by Qualcomm's QCA4010 intelligent IoT platform, SX-ULPGN-EVK-AT provides several modes of connectivity including Station and Access Point enabling easy transfer of content anytime, anywhere.

SX-ULPGN-EVK-AT ships with the Silex UART AT Command Set which helps you evaluate many wireless functions.

- Access Point Mode & Station Mode
- IEEE802.11 Power Save Mode
- Suspend (Store Recall, Power Off)
- Suspend (Sleep Wakeup, Host Deep Sleep)
- TCP/IP & UDP Offload
- HTTP Server Built-In for On-boarding
- HTTP Client Supported
- DHCP Client and DHCP Server
- DNS Client and DNS Server
- Socket API for Up to 4 UDP or TCP client/server Sockets

SX-ULPGN-EVK-AT is based on the QCA4010 Reference Hardware & Software. The Software and documentation are available on the Qualcomm Developer Network: https://developer.qualcomm.com/hardware/qca4010-12

Software Features

- **Modes:** Station, AP
- **Authentication Methods:** Open System WPA-PSK, WPA2-PSK
- **Encryption Method:** None, WEP, TKIP, and AES (CCMP)
- **WPS Method:** Enrollee (PIN/PBC)
- **Protocols Supported on Chip:** IPv4, IPv6, DNS, SNTP, HTTP, SSL/TLS, DHCP, and WPS
- **Application Development:** Silex UART AT Command Set Specification
- **JTAG Debugging**
- **Over-The-Air (OTA)** Firmware Update
- **UART Based Firmware Update:** XMODEM Based

What is Included

- SX-ULPGN Evaluation Assembly Including SX-ULPGN-2000-WW Module
- Silex UART AT Command Set Binary Firmware Image
- USB-to-UART Cable Assembly for UART & Power (+5V)
- EVK Quick Start Guide Insert

silex global sales & support locations

USA Office
silex technology america, Inc.
+1-801-747-0656
U.S. toll free 866-765-8761
www.silexamerica.com
sales@silexamerica.com

Europe
silex technology europe, GmbH
+49-2151-65009-10
Germany toll free 0800-7453938
www.silexeurope.com
contact@silexeurope.com

Corporate Headquarters
silex technology, Inc.
+81-774-98-3781
www.silex.jp
support@silex.jp

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Silex *manufacturer:*

Other Similar products are found below :

SD-300-US SX-PCEAN2C-SP SX-590-2700-WWR-SP SX-ULPAN-2402-SHIELD(US) SX-SDPAC-EVK SX-680-2700-SP SX-ULPGN-EVK SX-59HLS-EVK SX-SDCAC-2832+ SX-SDMGN-2830C SX-590-2700-WWR 108-00020-050 SX-ULPGN-BTZ-2000-SP 131-20110-050 SX-ULPGN-2000-SP SD-330AC-US SX-SDCAC-2830-SP BR-310AC-US SX-SDPGN-2830-SP DS-510(US) SX-BR-4600WAN2-US 108-00016-050 DS-520AN-US SX-ULPGN-BTZ-EVK SX-ULPAN-2401-SP SX-PCEAN2c DS-600-US ALC-590-2700-01 SX-PCEGN(P) SX-SDMAN2-2830S DS-510 SX-ULPAN-2401 SX-SDPAC-2830-SP