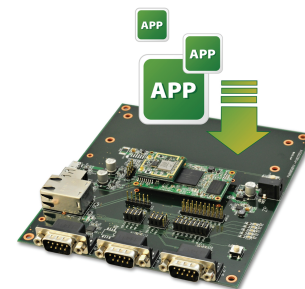


# SX-580-2700DM-SDK

## Software Development Kit for Embedded Wireless LAN Applications



### Easily Embed and Realize Wireless Benefits in OEM Devices

SX-580-2700DM-SDK is a software development kit designed for engineers who need to develop software programs in Linux for their embedded devices. By using the SX-580 module as a development platform, you can develop custom embedded application features with this SDK.

Get to market faster with a secure wireless solution because the software provided with the module includes the Linux wireless driver, security supplicant, TCP/IP stack. This saves development time for the application integration easing the burden of the main wifi development. The SX-580-2700DM offers an easier path to add wireless connectivity to devices in a wide range of applications.

UART, USB, Ethernet, SPI, I2C and GPIO interfaces are available to facilitate adding network connectivity to a wide range of existing products.

The development kit includes a full board support package (BSP) and documentation, along with all necessary hardware to get started immediately.

#### Applications:

The applications are limited only by your imagination. With a proven record in the medical, printer, telematics and industrial markets, Silex products have been recognized as market leading for over a decade. The development kit can provide a new and exciting way to integrate your applications into Silex's quality.

- Customers are required to sign a non-disclosure agreement at the time of purchase.
- Board support package and documentation can be downloaded from the Silex customer portal. Access to the customer portal will be provided upon completion of the NDA.
- This SDK product does not include any technical support or maintenance services. If you need additional support, please contact our sales representatives.

#### Product Specifications:

Model	SX-580-2700DM-SDK
Hardware Development Platform	<ul style="list-style-type: none"> <li>• SX-580-2700DM module</li> <li>• Evaluation board for development (SX-580-6900)</li> <li>• Wireless LAN antenna x 1</li> <li>• RS-232C cable x 1</li> <li>• LAN cable x 1</li> <li>• USB cable x 1</li> <li>• AC adaptor x 1</li> </ul>
Software Contents	<ul style="list-style-type: none"> <li>• Environment image</li> <li>• Source code for the system and utilities</li> </ul>
Documents	<ul style="list-style-type: none"> <li>• Startup Guide</li> <li>• Developer's Guide</li> <li>• Software Manual</li> <li>• Hardware Manual</li> <li>• SX-6K3-WLAN Driver Manual</li> </ul>
Wireless Module Name	SX-580-2700DM
CPU	Freescall i.MX280 ARM9/454 MHz
Memory	32MB Flash, 64MB SDRAM
WLAN Module	SX-SDMAN
Wireless Standard	802.11a/b/g/n
Antenna Connector	UFL connector x 2
Protocols	TCP/IP, UDP, ICMP, HTTP, PING, TFTP, Telnet, ARP, DHCP
Interfaces	3xUART / Ethernet (10/100) / 2xUSB / SPI / I2C / GPIO
OS	Linux, Kernel version 2.6.35.3
Security	WEP/WPA/WPA2 IEEE 802.11x (LEAP, PEAP, TLS, TTLS, EAP-FAST)
Operating Voltage	5V +/- 5%
Operating Conditions	Temperature: -10 to +70 degrees C Humidity: 20% to 80% RH
Storage Conditions	Temperature: -20 to +85 degrees C Humidity: 20% to 85% RH

silex technology is a registered trademark of silex technology, Inc. Other product or brand names may be registered trademarks or trademarks of their respective owners. Technical information and specifications are subject to change without notice. © 2013 silex technology, Inc. All rights reserved.

#### silex global sales & support locations

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Silex Technology:](#)

[SX-580-2700DM-SDK](#)