

# NXP Partner Look Book

Silex Technology

NXP Proven Partner  
Wi-Fi Solutions for i.MX, LPC & Kinetis

January 2019

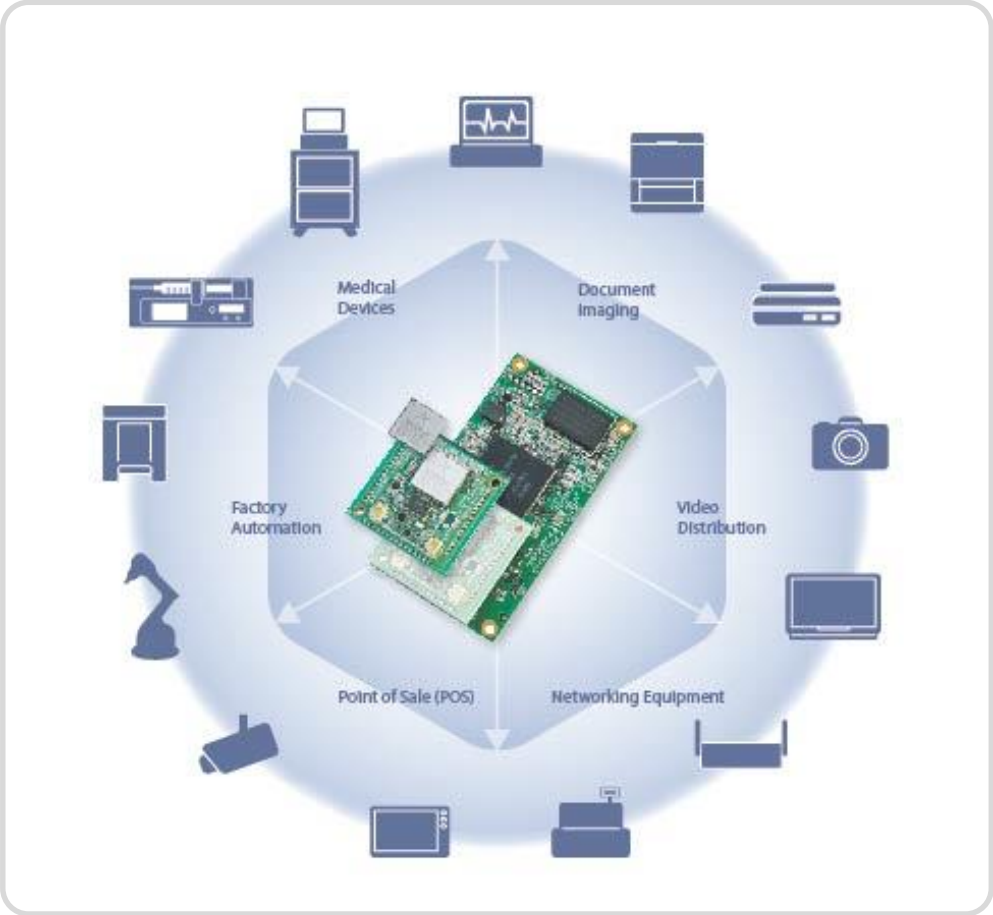


SECURE CONNECTIONS  
FOR A SMARTER WORLD


PUBLIC

# Silex Technology

Key message / value prop	Silex is a global leader in reliable, high performance Wi-Fi connectivity and has been a Freescale/NXP Proven Partner since 2012. Our business success has been based on the following key elements:  1. NXP Relationship. Software support for many of our modules is supported in the BSP or SDK. 2. High Touch Support Model. We provide hardware, software, certification services to get your customer to market on schedule. 3. "Absolutely Must Connect" reliability.		
Partner URL	<a href="http://www.silextechnology.com">www.silextechnology.com</a>		
Partner profile NXP.com URL	<a href="https://www.nxp.com/webapp/connect/displayPartnerProfile.sp?partnerId=1-ANP7-12">https://www.nxp.com/webapp/connect/displayPartnerProfile.sp?partnerId=1-ANP7-12</a>		
Key contacts	Contact name	Contact email	
	Zac Freeman	zfreeman@silexamerica.com	
	Srini Govindarajan	srinig@silexeurope.com	
Regions served	Headquarters	Regions	
	Japan	America's (California Office) EMEA (Germany Office) China (Beijing Office) India (Chennai Office)	
Engagement Model	<ul style="list-style-type: none"><li>• Direct Customer Engagements for High Volume Customers</li><li>• Global Distribution Partners (Arrow &amp; Future) and Regional Distribution Partners</li><li>• Catalog Companies (Mouser)</li></ul> <p>Regardless of the purchasing channel, Silex Sales, FAE &amp; Engineering organizations will be directly involved to support the integration of our Wi-Fi modules into your customer's product.</p>		
Are NDAs needed?	Depends of Information Requested	Standard pricing or individual pricing	Not Applicable?
Software licenses required?	Depends on Software Requested	If yes, what type?	Not Applicable?



# SX-SDMAC Plus SDIO Wi-Fi + BT Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"> <li>802.11 a/b/g/n/ac Wave 2 MU-MIMO</li> <li>Bluetooth 5.0 BR/EDR/LE Smart Ready</li> <li>SDIO 3.0 WLAN Host Interface</li> <li><b>Low Cost, Pre-Certified SDIO Module</b></li> <li>Linux/Android Driver included in NXP BSP. Additional Drivers for FreeRTOS, Windows and other real-time operating systems are available.</li> <li>Pre-certified module (US/IC/EU/Japan)</li> </ul>	<ul style="list-style-type: none"> <li>NXP Embedded Board Solution Manufacturers</li> <li>Medical Devices</li> <li>Telematics</li> <li>Other Applications Requiring High Performance &amp; Low Power</li> </ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-SDMAC-2832S+ Product Brochure</a></p> <p><a href="#">SX-SDMAC-2832S+ Product Specification</a></p> <p>Links to hands-on training</p> <p><a href="#">Adding 802.11ac Connectivity to i.MX EVK</a></p>	 <p>The image shows a green printed circuit board (PCB) with a large silver rectangular component in the center, likely a Wi-Fi/BT module. Various electronic components like capacitors and resistors are visible. At the bottom, there is a gold-colored SMA connector. Text on the board reads 'ZP 2' and 'PW102890BX V2'.</p>



When it **Absolutely Must** Connect

### Pricing

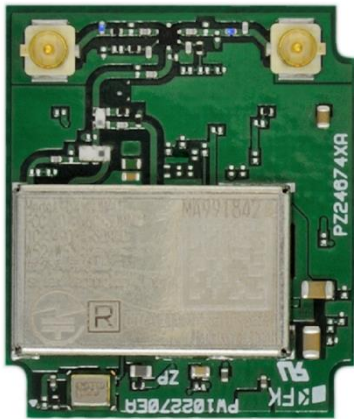
Orderable Part Number	Pricing
SX-SDMAC-2832S+	CALL SILEX FOR OEM PRICING
SX-SDCAC-2832S+ (Evaluation)	\$34.95

### NXP Product Associations

NXP Product Family

i.MX RT1064, RT1060, RT1050, RT1020, RT600 Series Crossover Processors
i.MX 8, 7, 6 Series Applications Processors

# SX-SDMAC SDIO Wi-Fi + BT Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"> <li>802.11 a/b/g/n/ac Wave 2 MU-MIMO</li> <li>Bluetooth 5.0 BR/EDR/LE Smart Ready</li> <li>SDIO 3.0 WLAN Host Interface</li> <li><b>Industrial Temperature Support</b></li> <li>Linux/Android Driver included in NXP BSP. Additional Drivers for FreeRTOS, Windows and other real-time operating systems are available.</li> <li>Pre-certified module (US/IC/EU/Japan)</li> </ul>	<ul style="list-style-type: none"> <li>NXP Embedded Board Solution Manufacturers</li> <li>Factory Automation</li> <li>Industrial Connectivity</li> <li>Other Applications Requiring Industrial Temperature Support</li> </ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-SDMAC-2830/2831 Product Brochure</a></p> <p><a href="#">SX-SDCAC Product Brochure</a></p>	
<p>Links to hands-on training</p> <p><a href="#">Adding 802.11ac Connectivity to i.MX EVK</a></p>	



## Pricing

Orderable Part Number	Pricing
SX-SDMAC-2831C	CALL SILEX FOR OEM PRICING
SX-SDMAC-2830S	CALL SILEX FOR OEM PRICING
SX-SDMAC-2831S	CALL SILEX FOR OEM PRICING
SX-SDCAC-2832S (Evaluation)	\$34.95


## NXP Product Associations

### NXP Product Family

i.MX RT1064, RT1060, RT1050, RT1020, RT600  
Series Crossover Processors

i.MX 8, 7, 6 Series Applications Processors

# SX-SDPAC SDIO Wi-Fi + BT SiP

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"><li>802.11 a/b/g/n/ac Wave 2 MU-MIMO</li><li>Bluetooth 5.0 BR/EDR/LE Smart Ready</li><li>SDIO 3.0 WLAN Host Interface</li><li><b>Optimized for Lowest Cost and Smallest Form Factor</b></li><li>Linux/Android Driver included in NXP BSP. Additional Drivers for FreeRTOS, Windows and other real-time operating systems are available.</li></ul>	<ul style="list-style-type: none"><li>NXP Embedded Board Solution Manufacturers</li><li>High Volume Applications Requiring Lowest Cost and Smallest Form Factor</li></ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-SDPAC Product Brochure</a></p> <p><a href="#">SX-SDPAC Product Specification</a></p>	
<p>Links to hands-on training</p> <p><a href="#">Adding 802.11ac Connectivity to i.MX EVK</a></p>	




## Pricing

Orderable Part Number	Pricing
SX-SDPAC-2830	CALL SILEX FOR OEM PRICING
SX-SDCAC-2832S (Evaluation)	\$34.95

## NXP Product Associations

NXP Product Family
i.MX RT1064, RT1060, RT1050, RT1020, RT600 Series Crossover Processors
i.MX 8, 7, 6 Series Applications Processors

# SX-PCEAC2 PCIe Wi-Fi (2x2) + BT Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"><li>802.11 a/b/g/n/ac Wave 2 MU-MIMO</li><li>Bluetooth 4.1 HS Smart Ready BLE</li><li>M.2 LGA and Half Mini Card Form Factors</li><li><b>High Speed Data Rates up to 867 Mbps</b></li><li>Linux/Android Driver included in NXP BSP. Additional drivers for Windows are Available.</li><li>Pre-certified module (US/IC/EU/Japan)</li></ul>	<ul style="list-style-type: none"><li>NXP Embedded Board Solution Manufacturers</li><li>High Performance i.MX8 Designs</li><li>Legacy Designs with Half Mini Card Wi-Fi Support Needing 802.11ac</li></ul>
Product Enablement	Product Imagery
<p>Links to videos</p> <p><a href="#">Choose Silex WiFi for i.MX8</a></p> <p><a href="#">Why PCEAC2 is the right choice for high bandwidth applications</a></p> <p>Links to collateral</p> <p><a href="#">SX-PCEAC2 Product Brochure</a></p> <p><a href="#">SX-PCEAC2 Product Specification</a></p> <p>Links to hands-on training</p> <p><a href="#">How to evaluate SX-PCEAC2 on i.MX8</a></p> <p>Links to product landing page on partner site</p> <p><a href="#">802.11ac Connectivity on i.MX8</a></p>	



## Pricing

Orderable Part Number	Pricing
SX-PCEAC2-SMT	CALL SILEX FOR OEM PRICING
SX-PCEAC2-HMC	CALL SILEX FOR OEM PRICING

## NXP Product Associations


### NXP Product Family

i.MX 8, 7, 6 Series Applications Processors





# SX-PCEAC-DB PCIe Wi-Fi (3 x 3) Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"><li>802.11 a/b/g/n/ac Wave 1 SU-MIMO</li><li>PCI Express Form Factor</li><li><b>High Speed Data Rates up to 1.3 Gbps</b></li><li>Linux Driver is Available.</li></ul>	<ul style="list-style-type: none"><li>High Performance i.MX8 Designs</li><li>Wireless Infrastructure (Access Point, Router, Gateway, etc.)</li><li>Video Applications Requiring High Bandwidth</li></ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-PCEAC-DB Product Brochure</a></p> <p><a href="#">SX-PCEAC-DB Product Specification</a></p>	



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## Pricing

Orderable Part Number	Pricing
SX-PCEAC-SB	CALL SILEX FOR OEM PRICING
SX-PCEAC-DB	CALL SILEX FOR OEM PRICING

## NXP Product Associations

NXP Product Family
i.MX 8, 7, 6 Series Applications Processors

# SX-PCEAN2 PCIe Wi-Fi (2 x 2) Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"> <li>802.11 a/b/g/n 2x2 MIMO</li> <li>Half Mini Card Form Factor</li> <li>Linux Driver is Available</li> <li><b>Industrial Temperature Support</b></li> <li><b>Extended Environmental Testing (PCEAN2i)</b></li> </ul>	<ul style="list-style-type: none"> <li>i.MX Designs that Require a PCIe Wi-Fi Radio with Industrial Temperature Support</li> </ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-PCEAN2 Product Brochure</a></p> <p><a href="#">SX-PCEAN2 Product Specification</a></p> <p>Links to hands-on training</p> <p><a href="#">How to evaluate SX-PCEAN2 on i.MX6</a></p>	



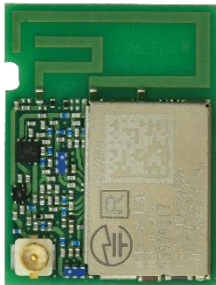
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Pricing	
Orderable Part Number	Pricing
SX-PCEAN2c	CALL SILEX FOR OEM PRICING
SX-PCEAN2i	CALL SILEX FOR OEM PRICING

NXP Product Associations
NXP Product Family
i.MX 8, 7, 6 Series Applications Processors



# SX-ULPAN-SB IoT Wi-Fi Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"> <li>• 802.11 b/g/n</li> <li>• SPI Slave Interface</li> <li>• 50MHz SPI clock</li> <li>• 10 Mbit per Second Data Rate</li> <li>• <b>Low Cost, Single-Band IoT Module</b></li> <li>• Onboard Antenna</li> <li>• SPI Driver included in NXP SDK</li> <li>• Pre-certified module (US/IC/EU/Japan)</li> </ul>	<ul style="list-style-type: none"> <li>• IoT Applications that are Battery Operated with medium to low Data Throughput Requirements.</li> <li>• Audio applications.</li> <li>• Low resolution remote camera.</li> </ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-ULPAN-SB Product Brochure</a></p> <p><a href="#">SX-ULPAN-SB Product Specification</a></p>	



## Pricing

Orderable Part Number	Pricing
SX-ULPAN-SB-2401	CALL SILEX FOR OEM PRICING
SX-ULPAN-2401-SHIELD (Evaluation)	\$39.95

## NXP Product Associations

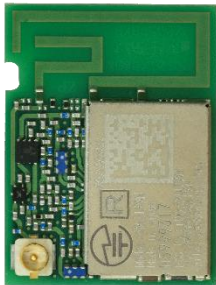
### NXP Product Family

Kinetis V, K, W, E, L, M, or EA Series MCUs

LPC5500, LPC54000, LPC51U68, LPC800, or LPC1100 Series MCUs

i.MX RT1064, RT1060, RT1050, RT1020, RT600  
Series Crossover Processors

# SX-ULPAN IoT Wi-Fi Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"> <li>• 802.11 a/b/g/n</li> <li>• SPI Slave Interface</li> <li>• 50MHz SPI clock</li> <li>• 10 Mbit per Second Data Rate</li> <li>• <b>Industrial Temperature, Dual-Band IoT Module</b></li> <li>• Onboard Antenna</li> <li>• SPI Driver included in NXP SDK</li> <li>• Pre-certified module (US/IC/EU/Japan)</li> </ul>	<ul style="list-style-type: none"> <li>• IoT Applications that are battery operated with medium to low Data Throughput Requirements.</li> <li>• Industrial Temperature range markets like Industrial, Logistics, Robotics, outdoor monitoring/security.</li> </ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-ULPAN Product Brochure</a></p> <p><a href="#">SX-ULPAN Product Specification</a></p>	



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## Pricing

Orderable Part Number	Pricing
SX-ULPAN-2401	CALL SILEX FOR OEM PRICING
SX-ULPAN-2401-SHIELD (Evaluation)	\$39.95

## NXP Product Associations

NXP Product Family
Kinetis V, K, W, E, L, M, or EA Series MCUs
LPC5500, LPC54000, LPC51U68, LPC800, or LPC1100 Series MCUs
i.MX RT1064, RT1060, RT1050, RT1020, RT600 Series Crossover Processors

# SX-ULPGN IoT Wi-Fi Module

Product Key Features and Benefits	Targeted Applications/Verticals
<ul style="list-style-type: none"><li>• 802.11 b/g/n</li><li>• High Speed UART Interface</li><li>• SPI interface option</li><li>• Ultra low power sleep and suspend (14uA)</li><li>• Simple AT Command Set</li><li>• Onboard Antenna</li><li>• Pre-certified module (US/IC/EU)</li></ul>	<ul style="list-style-type: none"><li>• IoT Applications that are battery operated with medium to low Data Throughput Requirements.</li><li>• Industrial Temperature range markets like Industrial, Logistics, Robotics, outdoor monitoring/security.</li></ul>
Product Enablement	Product Imagery
<p>Links to collateral</p> <p><a href="#">SX-ULPGN Product Brochure</a></p> <p><a href="#">SX-ULPGN Product Specification</a></p>	



## Pricing

Orderable Part Number	Pricing
SX-ULPGN-2000	CALL SILEX FOR OEM PRICING
SX-ULPGN-EVK-AT	\$49.95

## NXP Product Associations

NXP Product Family
Kinetis V, K, W, E, L, M, or EA Series MCUs
LPC5500, LPC54000, LPC51U68, LPC800, or LPC1100 Series MCUs
i.MX RT1064, RT1060, RT1050, RT1020, RT600 Series Crossover Processors



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