silex technology

When it **Absolutely Must** Connect

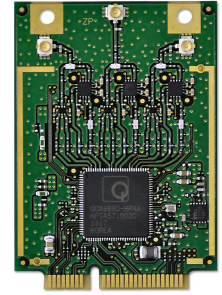**freescale** Connect
Proven Partner

SX-PCEAC
802.11ac PCI Express Wireless LAN Module

New PCIe Mini Card with 3x3 Architecture

The SX-PCEAC is an 802.11ac compliant single-band 3x3 PCIe Mini Card. It is based on the the Qualcomm Atheros QCA9880 chipset, designed to deliver wireless data rates of up to 1.3Gbps. The SX-PCEAC supports 20/40/80MHz and 256-QAM to maximize bandwidth efficiency.

Unlike the other similar solutions, the design, manufacturing, and tuning processes are strictly controlled in-house at the Silex state-of-the-art ISO9001 facility in Japan. Each card is individually tested and inspected to ensure the industry's highest quality resulting greater performance and reliability.
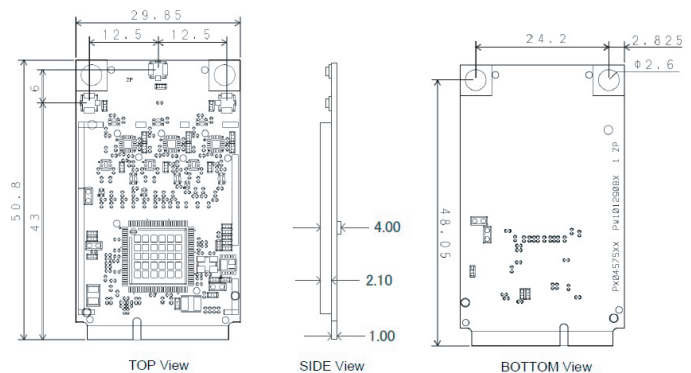
Typical Applications:

SX-PCEAC card gives customers the ability to easily and reliably support applications where this extra bandwidth is required, like deploying HD video over Wi-Fi.

Key Features:

- Max data transfer rate: 1.3Gbps (Theoretical value, at 11ac mode)
- PCI Express interface
- Qualcomm Atheros QCA9880 chipset
- IEEE 802.11ac(Wave1)/a/n
    - Wide band 80MHz mode
    - High density modulation mode (256QAM)
- 3x3 SU-MIMO enhances high speed and stability
- Silex Linux reference driver with IEEE802.11x EAP support
- Wireless standard
    - IEEE 802.11ac/a/n/e/h/i
- EU directive RoHS
- North America(FCC/IC), Japan (TELEC to be certified)

Specifications:

Product Name	SX-PCEAC
Chipset	Qualcomm Atheros QCA9880
Host Interface	PCI Express mini card v1.2
Radio Specifications	IEEE 802.11 ac (Wave1)/a/n
Antenna Terminal	U.FL connector x3
Operating Voltage	3.3V ± 5%
Current Consumption	Sending: Min. 390mA、 Max. 950mA. Receiving: 370mA Typ.
Weight	7.3g
Operating Temperature	Temperature: 0 - +60 degrees Humidity: 20 - 80%RH
Storage Temperature	Temperature: -20 - +85 degrees Humidity: 20 - 85%RH
Dimensions	29.9 x 50.8 x 4.0mm Thickness =1.0mm
Connector Type	PCI Express mini card edge

TOP View   SIDE View   BOTTOM View

silex global sales & support locations

PN: xxx-xxxxx-xxx
REV A 20140325