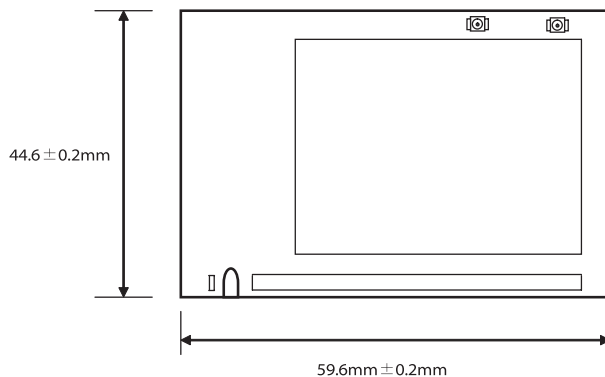# SX-10WG
802.11g/b Wireless Mini PCI Module

For Reliable Embedded Wi-Fi Connectivity

Experience the Quality Global OEMs Trust

▸ Key Features:

- Maximum data transfer rate 54Mbps
- Powered by the Atheros AR5005G chipset
  - Highly Integrated all CMOS, single-chip IEEE 802.11g/b compliant
  - Includes a 2.4 GHz radio, analog-to-digital and digital-to-analog (ADC/DAC) converters, baseband processors, multi-protocol media access control (MAC), high speed UART and a PCI/CardBus host interface
- Includes 2dBi antenna and supports diversity antenna configurations
- Meets a wide range of global regulatory certifications / standards
  - ARIB STD-T66 FC   - FCC Part 15 Subpart C
  - RCR STD-33   - IC RSS210
  - EU Directive R&TTE (EN300 328, EN60950)
  - RoHS (Restriction on Hazardous Substances) compliant
- Limited modular certification in U.S. and Canada
- Superior quality from the Silex ISO 9001/2000 certified facility

▸ Dimensions:

44.6 ± 0.2mm

59.6mm ± 0.2mm

▸ Silex embedded technology:

Silex Technology is a 30-year developer of external and embedded device-device connectivity products. silex has become the world's #1 supplier of print server products over the past 10 years, helping global OEMs improve the way they move information.   Silex advantages for OEMs include a U.S.-based support team, industry-leading software solutions like our NSS security suite, and exceptional Japanese quality manufacturing.

▸ Specifications:

Product Name	SX-10WG 802.11b/g Compliant Mini PCI Wireless LAN Module
Chipset	A theros AR5005G
Antenna Connector	2 x U-FL Connector
Operating Voltage	3.3V ± 0.3V
Radio Output	11g mode: Channel 1: 12 dBM; channel 2: 16dBM; channels 3-4: 15.5dBM; channels 5-7: 15dBM; channels 8-10: 14.5 dBM; channels 11-13: 14dBM 11b mode: 1-14ch: 16dBm
Power Consumption	500mA max 11g transmit: 3.3V 360mA typical 11g Receive : 3.3V 290mA typical 11b transmit: 3.3V 350mA typical 11b receive :3.3V 215mA typical Sleep mode: 20mA
Weight	12g
Dimensions	44.6 x 59.6 x 4mm Thickness of PCB 1.0mm
Storage Conditions	Storage Temperature -10 to +70°C Storage Humidity 5 to 90%RH
Operating Conditions	Operating Temperature 0 to +60°C Operating Humidity 20 to 90%RH
Device Configuration	PCBA, Sticker, E/A Sticker

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