

SX-10WG 802.11g/b Wireless mini-PCI-Module

For Reliable Embedded Wi-Fi Connectivity

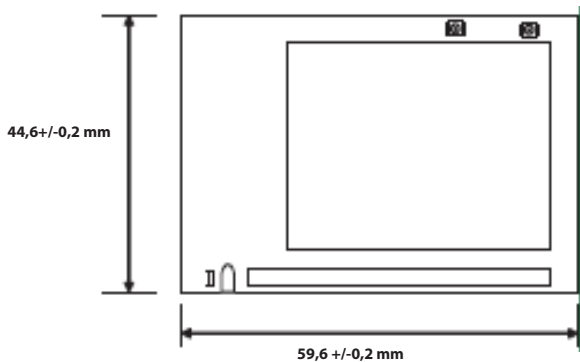


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Key Features

- ▶ 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
- ▶ Compliant to Mini PCI-Type III/F
- ▶ Superior quality from the Silex ISO 9001/2000 certified facility

Dimensions



SILEX facts

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

Specifications

Product Name	SX-10WG 802.11b/g miniPC Wireless LAN module
Chipset	Atheros AR5005G
Antenna connector	2 x U-FL connector + Diversity antenna
Operating Voltage	3.3V+/-0.3V
Radio Output	11g Modus: ch 1: 12dBm; ch 2: 16dBm; ch 3-4: 15,5dBm; ch 5-7: 15dBm; ch 8-10: 14,5dBm; ch 11-13: 14dBm 11b Modus: ch 1-14: 16dBm
Power Consumption	500mA 11g transmit: 3.3V 360mA 11g receive: 3.3V 290mA 11b transmit: 3.3V 350mA 11b receive: 3.3V 215mA Sleep mode: 20mA
Weight	12 g
Dimensions	44,6 x 59,6 x 4 mm Thickness of PCB: 1,0 mm
Temperature	Storage: -10 to + 70 °C Operating: 0 to + 60 °C
Relative Humidity	Storage: 5 to 90 % RH Operating: 20 to 90 % RH
Package contents	PCBA, Certification label, E/A label

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