



WMIA-123AG

Feature

- Chipset: Atheros AR5213 + AR5112
- Host Interface: Mini PCI Type IIIB
- Antenna: 2 antennas
- Output Power up to 19dBm
- Enhanced wireless security: 64/128/152-bit WEP, WPA, WPA2, Encryption TKIP/AES, 802.1x, LEAP
- Windows 2000/ XP/ Vista, Linux OS Support



802.11a/b/g Dual-Band Mini PCI Module

Atheros AR5213 + AR5112 Solution, up to 108Mbps in Super A/G model

High-Speed Performance

SparkLAN WMIA-123AG is a high-speed 802.11a/b/g Dual-Band Mini PCI module with Atheros AR5213 + AR5112 chipsets, which delivers up to 108Mbps data rate in Super AG mode.

Enhanced Wireless Security

With advanced security encryptions, such as 64/128/152-bits WEP, WPA, WPA2, Encryption TKIP/ AES, 802.1x, LEAP, WMIA-123AG helps create secure wireless network.

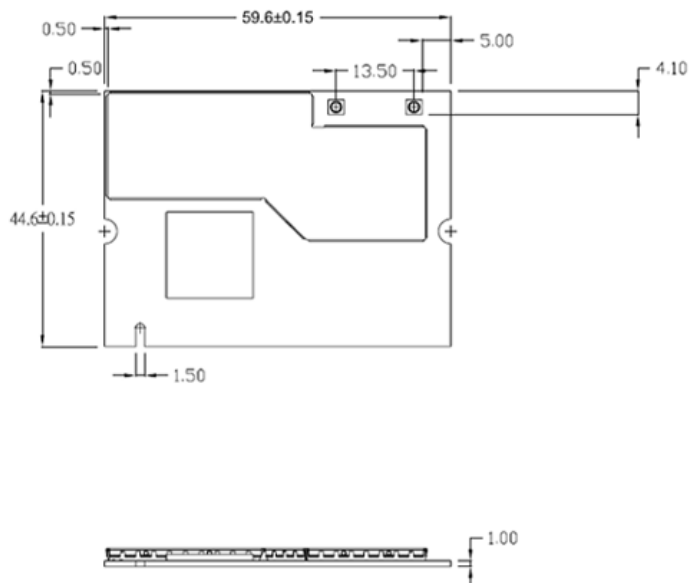
Ideal for Embedded Applications

Operating in both 2.4GHz and 5GHz frequency bands, WMIA-123AG creates reliable network, which makes it the best choice for you to quickly and easily integrate with your wireless enabled applications.

Application

- Networking Equipment
- Industrial Computers
- Automation
- Medical Device
- POS (Point-of-Sale) System
- Self-Service KIOSK
- Gaming Machine

Mechanical Dimension (mm)

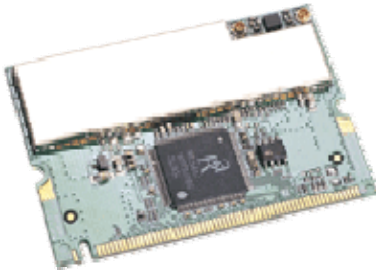




WMIA-123AG

Related Product

- WMIR-168AG
802.11a/b/g Mini PCI Module



- WMIA-199N
802.11a/b/g/n Mini PCI Module



Ordering Info

- WMIA-123AG
802.11a/b/g Mini PCI Module

Specifications

Standard

802.11a/b/g

Chipset

Mac/BB	Atheros AR5213
RF	Atheros AR5112

Host Interface

32-bit Mini PCI, Type IIIB

Radio

Antenna	2 x U.FL connectors	
Operating Frequency	802.11b/g ISM Band: 2.412~2.497GHz 802.11a U-NII (Unlicensed National Information Infrastructure) Band: 5.15 ~ 5.85GHz	
Modulation	802.11b: CCK, DQPSK, DBPSK 802.11a: OFDM	802.11g: OFDM
Output Power	802.11b : 19dBm ± 1.5dBm 802.11a : 12dBm ± 1.5dBm	802.11g : 14.5dBm ± 1.5dBm
Receive Sensitivity	802.11b : -87dBm ±2dBm@11Mbps 802.11g : -70dBm ±2dBm@54Mbps 802.11a : -70dBm ±2dBm@54Mbps	

Power consumption

Continue TX	Max 590mA@3.3V
Continue RX	Max 290mA@3.3V

Operating Voltage

DC 3.3V ± 5%

Environmental

Temperature Range	0 ~ 50°C (Operating)	-20 ~ 85°C (Storing)
Humidity (Non-Condensing)	10 ~ 85% (Operating)	5 ~ 90% (Storing)

Physical Specification

Dimensions	59.7mm x 44.6mm x 5mm
Weight	20g

Software

Driver	Windows 2000/ XP/ Vista, Linux
Security	64/128/152-bit WEP, WPA, WPA2, Encryption TKIP/AES, 802.1x, LEAP