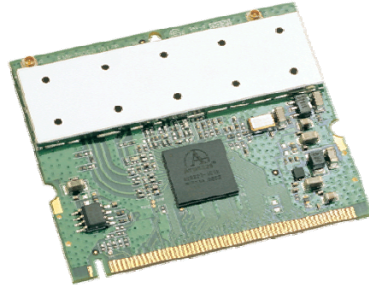




WMIA-198ANH

Feature

- 20dBm at fastest data rate (300Mbps)
- 2 antennas to support 2T2R MIMO technology
- Enhanced wireless security: 64/128/152-bits WEP, WPA, WPA2, Encryption TKIP/ AES, 802.1X
- Driver Support: Windows XP
- Environmental Friendly: RoHS



802.11an High-Power Mini PCI Module

Industry's highest: 20dBm at 300Mbps, Atheros AR9220 Solution, 2T2R

High-Power Ideal for Long Distance Application

SparkLAN WMIA-198ANH is a high-speed 802.11an High-Power 5GHz Mini PCI module with Atheros AR9220 chipset, which delivers up to 300Mbps data rate. Its superior RF performance helps extending wireless range and coverage to farther distance. Operating in the 5GHz band, the less crowded frequency band, WMIA-198ANH greatly reduces the chances of interference.

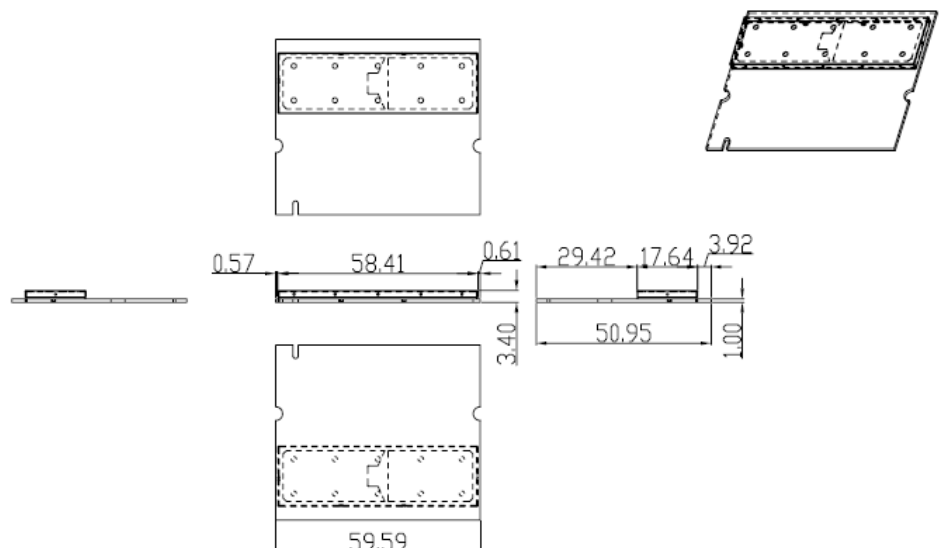
Secure Wireless Connection

WMIA-198ANH features advanced WEP encryption, WPA, WPA2, Encryption TKIP/ AES, and 802.1X to help protect data over wireless communication without sacrificing the performance. SparkLAN WMIA-198ANH is the affordable and ideal choice for you to quickly and easily integrate with your wireless enabled applications.

Application

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

Mechanical Dimension (mm)





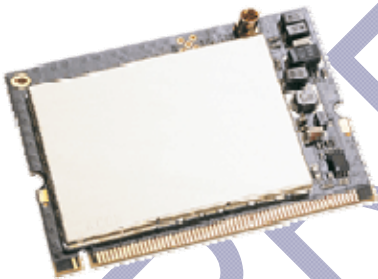
WMIA-198ANH

Related Product

- WMIA-198N
802.11a/b/g/n Dual-Band Mini
PCI Module



- WMIA-166AGH
802.11a/b/g Dual-Band
High-Power Mini PCI Module



Ordering Info

- WMIA-198ANH
802.11an 5GHz High-Power
Mini PCI Module

Specifications

Standard

802.11an

Chipset

Mac/BB Atheros AR9220

Host Interface

32-bit Mini PCI, Type IIIA

Radio

Antenna 2 x U.FL connectors

Operating Frequency 802.11an: 5.15 ~ 5.825GHz

Modulation

802.11a: OFDM
802.11n: 64-QAM, 16-QAM, QPSK, BPSK

Output Power

802.11a: 20dBm $\pm$ 2dBm
802.11an HT20: 20dBm $\pm$ 2dBm 802.11an HT40: 19dBm $\pm$ 2dBm

Receive Sensitivity

802.11a: -78dBm $\pm$ 2dBm
802.11an HT20: -71dBm $\pm$ 2dBm 802.11an HT40: -67dBm $\pm$ 2dBm

Power consumption

Continue TX TBD

Continue RX TBD

Operating Voltage

DC 3.3V $\pm$ 5%

Environmental

Temperature Range 0 ~ 60°C (Operating) -20 ~ 70°C (Storing)

Humidity (Non-Condensing) 5 ~ 90% (Operating) 5 ~ 95% (Storing)

Physical Specification

Dimensions 59.59 x 50.95 mm

Weight 15g

Software

Driver Windows XP

Security 64/128/152-bits WEP, WPA, WPA2, Encryption TKIP/ AES, 802.1X