

AWPCI085AH

802.11a High-Power Mini PCI

The AWPCI085AH mini-PCI network card is compact, lightweight, high performance and high output power. Built on Atheros AR5414 chipset, it can be used for all IEEE 802.11a WLAN and is ideally suited for integration in a wide range of Routerboard and embedded device.

It offers a high output power of 27dBm on 802.11a. The WLAN mini-PCI also supports a variety of security features such as WEP, AES, receive and transmit filtering, error recovery, quality of service (QoS) as well as IEEE 801.1X standard, thus providing security to the wireless network and increase WLAN performance.

It is also available in different mode which delivers better performance at high throughput for your network connectivity.



- IEEE 802.11a compliance
- High Output Power max up to 27dBm
- Super A mode includes dynamic 108 Mbps capability

Chipset	Atheros AR5006XS, AR5414 (Support 108M)
Interface Type	PCI interface v2.3 (Type III-B Mini PCI form factor)
Antenna Port	MMCX
Output Power	27dBm±1.5dBm@6~24Mbps 26dBm±1.5dBm @36Mbps 24dBm±1.5dBm @48Mbps 23dBm±1.5dBm @54Mbps
Operating Frequency	USA (FCC): 5150 MHz – 5350 MHz 5725 MHz – 5850 MHz Europe (ETSI): 5150 MHz – 5350 MHz 5470 MHz – 5725 MHz Japan (TELEC) : 5150 MHz – 5250 MHz
Receiver Sensitivity	-86dBm @ 6Mbps -70dBm @ 54Mbps
Security	64/128 Bit WEP, WPA/WPA2, IEEE802.1X Authentication
Operating Voltage	DC 3.3V±5%
Power Consumption	1.8A±100mA
Temperature	Operating: -20~70°C Storage: -45 ~80°C
Humidity (non-condensing)	Operating: 10~90% Storage: 5~95%
Dimension	59.6mm*51.3mm*8.2mm

Features

Standard IEEE 802.11a.

- High output Power of 802.11a, max up to 27dBm
- WiFi Protected Access Client Support (WPA) and IEEE 802.11i security specifications, provides Advanced Encryption Standard(AES), Temporal Key Integrity Protocol (TKIP) and Wired Equivalent Privacy(WEP) without performance degradation
- Super A mode includes dynamic 108 Mbps capability, real-time hardware data compression, Fast Frames and standard-compliant bursting
- PCI 2.3 and PC Card 7.1 host interface with DMA support
- Dynamic frequency selection/transmit power control (DFS/TPC) for international operation
- Support for draft IEEE 802.11e,h,i and j standards

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