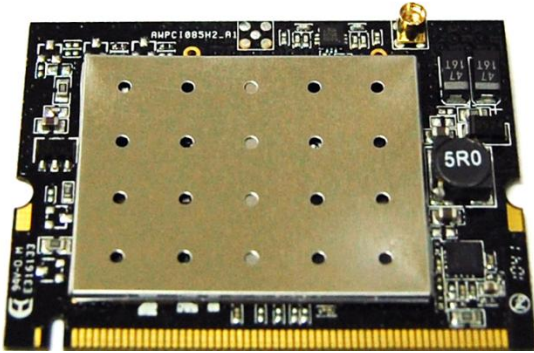


# AWPCI085ALR

## 802.11 a High Power Mini PCI Module



802.11 a Mini-PCI is complied with IEEE 802.11a standard and can be used to provide a variety of high-power wireless network interface card.

### Features:

- Fully IEEE 802.11a standards compliant to provide wireless speed of 108Mbps data rate.
- High power.
- Allows auto fallback data rate for optimized reliability, throughput and transmission range: 54/ 48/ 36/ 24/ 18/ 12/11/ 9/ 6/ 5.5/ 2 / 1 Mbps.
- Super A mode support **up to 108 Mbps for 802.11a**
- Strong network security with 802.1X, Wi-Fi Protected Access, and WEP encryption.
- Driver/Utility supports most commonly used operating systems including Windows 98/SE/ME/2000/XP/Vista/7
- Conformable to industry-standard Mini PCI Card Type III-B specification.

For further details:

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4F-1 No. 106, Rueiguang Rd.,  
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Taipei City, Taiwan.  
<http://www.alfa.com.tw>  
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Tel:+886-2-27968477 | Fax:+886-2-27968478



# AWPCI085ALR

## 802.11 a High Power Mini PCI Module

### Specifications:

<b>Chip Set</b>	Atheros(AR5006X AR5414)
<b>Interface Type</b>	Mini PCI Type III B
<b>Frequency Band</b>	IEEE802.11a: 5150 MHz – 5250 MHz (Japan) 5150 MHz – 5350 MHz / 5470 MHz – 5725 MHz (Europe) 5150 MHz – 5350 MHz / 5725 MHz – 5850 MHz (USA)
<b>Channel</b>	IEEE802.11a 4 Channels (Japan) 19 Channels (Europe) 13 Channels (USA)
<b>Emission Type</b>	OFDM; DSSS
<b>Output power</b>	23dBm
<b>Frequency Stability</b>	Within + 20 ppm
<b>Data Modulation Type</b>	BPSK (6 / 9Mbps) / QPSK (12 / 18Mbps) / CCK (5.5 / 11 Mbps) 16QAM (24 / 36Mbps) / 64QAM (48 / 54 Mbps)
<b>Power</b>	3.3 Volt + 5%
<b>Power Consumption</b>	TX: under 1000 mA RX: under 450 mA
<b>Antenna connector</b>	1* diversity MMCX connector
<b>Antenna port impedance</b>	50 ohm
<b>Bus Interface</b>	Mini PCI 1.0 compliant
<b>Security</b>	Hardware 64/128-bit WEP/TKIP/AES-CCM/ 802.1x, WPA
<b>Operating Temperature</b>	-20°C to +65°C . ambient
<b>Storage Temperature</b>	-20 ~ 75 °C ambient
<b>Humidity</b>	5 ~ 95% and must be non-condensing
<b>Sensitivity</b>	-76 dBm @64Qam (Typ.)
<b>Dimension</b>	59.75 x 44.6 x 5 mm