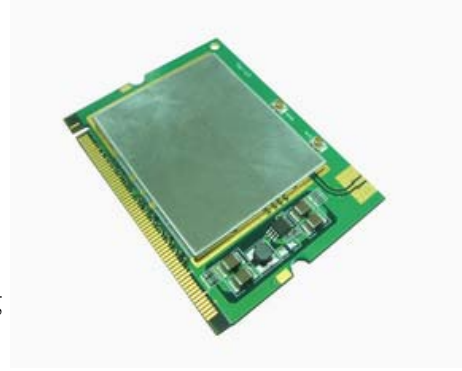


BWPCI085H



802.11a/bg High power mini PCI Module

802.11a/g Mini-PCI is complied with IEEE 802.11a standard/IEEE 802.11g provide a variety of high-power wireless network interface card.

FEATURES

- Fully IEEE 802.11a/g 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/G mode support **up to 108 Mbps for 802.11a/g**
- Strong network security with 802.1x, Wi-Fi Protected Access, and WEP encryption.
- Driver/Utility supports most commonly used operating systems including Windows 98SE/ME/2000/XP.
- Conformable to industry-standard Mini PCI Card Type III-B specification.

SPECIFICATON

Chip Set	Atheros(AR5006X AR5414)
Interface Type	Mini PCI Type III B
Frequency Band:	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) IEEE802.11g/b: 2400 MHz – 2483.5 MHz (for USA, Canada & Europe)
Channel	IEEE802.11a 4 Channels (Japan) 19 Channels (Europe) 13 Channels (USA) IEEE802.11g/b 14 channels (Japan) 13 channels (Europe) 11 channels (USA)
Emission Type	OFDM; DSSS
Output power	Only IEEE802.11a: 200mW or Only IEEE802.11g/b: 500mW
Frequency Stability	Within ± 20 ppm
Data Modulation Type	BPSK (6 / 9Mbps) / QPSK (12 / 18Mbps) / CCK (5.5 / 11 Mbps) 16QAM (24 / 36Mbps) / 64QAM (48 / 54 Mbps)

Power	3.3 Volt \pm 5%
Power Consumption	TX: under 1000 mA RX: under 450 mA
Antenna connector	U.FL connector x2
Antenna port impedance	50 ohm
Bus Interface	Mini PCI 1.0 compliant
Security	Hardware 64/128-bit WEP/TKIP/AES-CCM/ 802.1x, WPA
Data Rate	802.11a Up to 54Mbps(108Mbps@Turbo Mode) 802.11g Up to 54Mbps , 802.11b Up to 11Mbps
Operating Temperature	-20°C to +65°C. ambient
Storage Temperature	-20 ~ 75 °C ambient
Humidity	5 ~ 95% and must be non-condensing
Sensitivity	-76 dBm @64Qam (Typ.)
Dimension	59.75 x 44.6 x 5 mm