



# APM CO., LTD

## AAWPCI16G

### PCI Adapter

#### Item Description

Atheros chipsets  
 One detachable antenna  
 32bit PCI V2.2 specification  
 1/2/5.5/6/9/11/12/18/24/36/48/54Mbps Data Rate  
 Support Windows 98SE/ME/2000/XP  
 64/128-bit WEP Encryption Security



#### Specifications

Standards	PEG4(s) Wireless:IEEE 802.11b,802.11g(draft) PCI Standard v2.2t
Data Rate	802.11g(draft):Up to 54Mbps (6/9/12/18/24/36/48/54) 802.11b:Up to 11Mbps (1/2/5.5/11)
Interface	PCI Standard v2.2
Antenna Type	Single Dipole Antenna,1.5dBi gain
Chipset	Radio:AR2111+AR5111 MAC/BBP:AR5212
LED	Steady for Power on,Blink for WLAN Link/Act.
Emission Type	DSSS
RF Frequency	2412~2462 MHz (North America) 2412~2472 MHz (Geneeral Europe) 2412~2484 MHz (Japan)
Opt.Channel	1~11 channel (North America) 1~13 channel (Geneeral Europe) 1~14 channel (Japan)
Output power	16-18 dbm (typical)
Sensitivity for 802.11b	1,2 Mbps (BPSK): -90 dBm 5.5Mbps (QPSK): -86dBm 11 Mbps (CCK): -82dBm (typically @PER<8% packet size 1024 and @25°C+5°C)



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Sensitivity for 802.11g (draft)	54 Mbps:-72dbm 48 Mbps:-72dbm 36 Mbps:-76dbm 24 Mbps:-76dbm 18 Mbps:-82dbm 12 Mbps:-86 dbm 9 Mbps:-89dbm 6 Mbps:-90dbm (typically @PER<8% packet size 1024 and @25°C+5°C)
Frequency Stability	within + 25ppm
Data Modulation Type	BPSK,QPSK,CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)
Power	3.3/ 5 Volt + 5%
Network	Auto-switch to use 802.11g (draft)or 802.11b mode Supports Ad-Hoc, Infrastructure WLAN network Wireless roaming Data rate auto fall-back under noisy environment or longer range distance Site Survey with Profile function
Security	WEP 64/128 802.1xsecurity (MD5 and TLS) in Windows XP
Configuration & Management	Management Utility supports Win98SE/ME/2000 and XP
SoftAP (available with External Antenna kit model)	Supports Windows 2000/XP and Linux Open/Share Authentication and WEP encryption 802.1xauthentication security (EAP-MD5 and TLS) DHCP Server/Client and IP setting Packet filtering (MAC address and Port) SSID Broadcast enable/disable function
Wireless	Wi-Fi
US	FCC part 15 class B,Sec.15.247,15.109
Europe	ETS 300 328,ETS 301 489-1&17,and CE mark EN 60950,EN 55022 Class B,EN 50082-1 1998
Other	VCCI, Telec/JATE (Japan)