



ETC-WL015A

High Power 11b/g mini-PCI Card

- **High Performance with Low Power Consumption**
- **600mW max High Output Power**
- **Available in many different modes**
- **Affordable and ideal for a variety of applications**

The ETC-WL015A Mini-PCI network adapters are compact, lightweight, has high-performance and high output power. Built on Atheros chipset, it can be used for all IEEE 802.11 b/g WLAN and is ideally suited for integration in a wide range of OEM device.

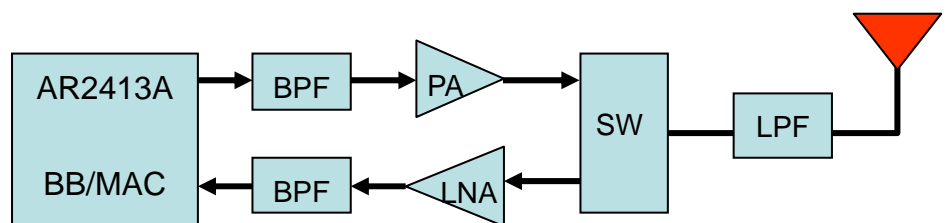
It offers a high output power of max 28dBm. ETC-WL015A Mini-PCI also supports a variety of security features such as WEP, AES, receive and transmit filtering, error recovery, quality of service (QOS) as well as IEEE 801.1X standard, thus providing security to the wireless network and increase WLAN performance.

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

Features

- 2.4GHz IEEE 802.11b/g standard
- High output Power of 28dBm max.
- WiFi Protected Access Client Support(WPA)
- Transmission Power Control(TPC)
- Multi-country Roaming Support(IEEE 802.11d)
- Flexible design for embedded system or OEM project

Diagram



Applications

- Access Point(AP), Router
- Cable Modem, ADSL
- Gateway/ VOIP Gateway
- Embedded system or OEM device

ETC-WL015A High Power 11b/g mini-PCI Card Specification

Product Description									
High Power 11b/g mini-PCI Card									
Chipset									
Atheros AR2413									
Operating Frequency(IEEE 802.11b/g)									
USA(FCC)		2412MHz~2462MHz(CH1~CH11)							
Europe(ETSI)		2412MHz~2472MHz(CH1~CH13)							
Japan(TELEC)		11b:2412MHz~2484MHz(CH1~CH14)							
		11g: 2412MHz~2472MHz(CH1~CH13)							
Modulation(OFDM and DSSS)									
IEEE 802.11g		48/54 Mbps (QAM64), 24/36 Mbps (QAM16), 12/18 Mbps (QPSK), 6/9 Mbps (BPSK)							
IEEE 802.11b		5.5/11 Mbps (CCK), 2 Mbps (DQPSK), 1 Mbps (DBPSK)							
I/O Interface									
Host Interface		PCI interface v2.3							
Radio		RF Output Connector (U. FL)							
Operating Voltage					Power Consumption				
DC 3.3 V±5%					TX≤650mA, RX≤230mA				
RF Output Power (±1.5dB)									
802.11b		Min.			Typical			Max	
11/5.5/2/1Mbps		25			26			28	
802.11g		Min.			Typical			Peak	
54Mbps		22			23			24	
48Mbps		23			24			25	
36Mbps		24			25			26	
<24Mbps		25			26			28	
Sensitivity(IEEE 802.11b @ Packet Error Rate<8%, IEEE 802.11g @ Packet Error Rate<10%)									
11b	11 Mbps		5.5 Mbps		2 Mbps		1 Mbps		
	-88 dBm		-90 dBm		-92 dBm		-94 dBm		
11g	54Mbps	48Mbps	36Mbps	24Mbps	18Mbps	12Mbps	9 Mbps	6 Mbps	
	-72 dBm	-74 dBm	-76 dBm	-78 dBm	-80 dBm	-82 dBm	-84 dBm	-86 dBm	
Environment									
	Temperature (Ambient)				Humidity (non-condensing)				
Operating		-20~70℃				10~90%			
Storage		-40~85℃				5~95%			
Physical Specification									
Dimension		59.6mm*44.6mm*8.2mm							
Weight		≤20g							