

### 802.11g PCI Wireless LAN Adapter

**Z**comax Technologies, Inc. has released their latest state of the art Air Runner™ wireless LAN PCI adapter.

The XG-923 is an 802.11g 54Mbps PCI Adapter that has been designed with the integration and ISP markets in mind. With its external antenna connector and convenient PCI interface it will fit into all of today's latest Systems. The XG-923 is a high performance wireless adapter that exceeds both IEEE 802.11a and FCC regulatory requirements.

The XG-923 adapter is a robust plug and play ready device that has support for both windows and Linux operating systems.

The EZ Wireless Security Support (WPS) ensures the highest level of security will be established between the XG-923 and the WPS-enabled Access point. To enable the security is as worry free as pushing a single button.

With an excellent price / performance ratio and the field-proven reliability associated with the Atheros chipset, the XG-923 is a superb choice for any wireless application requiring enhanced connectivity and small form factor.



### *XG-923 at a glance*

- 802.11g compliant
- 16 dBm Tx output Power
- -80 dBm Rx Sensitivity @ 11mbps
- External Antenna Connector
- 32-bit PCI V2.2 specification
- FCC and ROHS compliant
- EZ Wireless Security Support (WPS)
- Driver support – Windows, Linux and customized drivers are available.



**Physical Specification:**

Host Interface	32-bit PCI V2.2 specification
Dimensions (L x W x H)	41mm(L) * 120mm(W) * 1.6mm (H)
Weight	< 50g

**RF Specification:**

Frequency Range (GHz)	North America:
802.11b/g	FCC: 2.412 ~ 2.462
	Europe ETSI: 2.412 ~ 2.472
	Japan 802.11b TELEC:2.412 ~ 2.484
	Japan 802.11g TELEC:2.412 ~ 2.472
Transmit power 802.11g	14 dBm @ 54 Mbps (QAM-64)
Transmit power 802.11b	16 dBm @ 11 Mbps (CCK)
Receiver Sensitivity @ PER < 10% for 802.11g	-65 dBm @ 54 Mbps (QAM-64)
Receiver Sensitivity @ PER < 8% for 802.11b	-80 dBm @ 11Mbps (CCK)

**Electrical Specification:**

Supply Voltage	3.3 Vdc, +/- 5%
Supply Voltage Ripple	120mV (pp) max.
Power-on startup time	<600 ms
Sleep-to-receive startup time	<75 ms
Power consumption	TX: 802.11b <500mA, RX: <450mA,
	TX: 802.11g <650mA, RX: <450mA,

**Antenna Connector Specification**

Connector Type	SMA Reverse polarity female
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**Environmental**

Working Temperature	0 ~55°C, 95% relative humidity (non-condensing)
Storage Temperature	-20 ~ 80°C, 95% relative humidity (non-condensing)

**Software**

Operating Systems	Win 98SE/ME/2000/XP/Vista
Security	WEP / WPA / WPA2 (TKIP. AES)

**Absolute Maximum Rating**

Stress above those listed in Absolute Maximum Rating may cause permanent damage to the device. This is a stress only rating and operation of the device at these or any other conditions above those indicated in standard specifications is not implied.

Supply Voltage	3.7V
I/O Voltage	-0.5V ~ VCC+0.3V
Storage Temperature	-45 ~ +85°C, 95% relative humidity (non-condensing)
Barometric Pressure	740 hPa ~ 1050 hPa

**Warranty**

12 Months limited warranty