

802.11g PCI Wireless LAN Adapter

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

The XG-902 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-902 is a high performance wireless adapter that exceeds both IEEE 802.11g and FCC regulatory requirements.

The XG-902 adapter is a robust plug and play ready device that has support for both windows and Linux operating systems.

With an excellent price / performance ratio and the field-proven reliability associated with the Conexant chipset, the XG-902 is a superb choice for any wireless application requiring enhanced connectivity and small form factor.



XG-902 at a glance

- 802.11g compliant
- 18 dBm Tx output Power
- -82 dBm Rx Sensitivity @ 11mbps
- External Antenna Connector
- 32-bit PCI V2.2 specification
- Conexant Javelin chipset
- FCC compliant
- WPA Security
- Driver support – Windows, Linux and customized drivers are available.

Powered By:



Physical Specification:

Host Interface	32-bit PCI V2.2 specification
Dimensions (L x W x H)	134mm(L) * 122mm(W) * 22mm (H)
Weight	< 80g

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	15dBm @ 54 Mbps (QAM-64)
Transmit power 802.11b	18dBm @ 11 Mbps (CCK)
Receiver Sensitivity @ PER < 10% for 802.11g	-67 dBm @ 54 Mbps (QAM-64)
Receiver Sensitivity @ PER < 8% for 802.11b	-82 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	<460mA, RX: <330mA,

Antenna Specification

Connector Type	SMA Reverse polarity female
Antenna Gain	2dBi

Environmental

Working Temperature	0 ~55°C, 95% RH (non-condensing)
Storage Temperature	-10 ~ 65°C, 95% RH (non-condensing)

Software

Operating Systems	Win 98SE/ME/2000/XP
Security	WEP / WPA

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