

802.11g CARDBUS WLAN Adapter

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

The XG-302 is an 802.11g 54Mbps cardbus adapter that has been designed with the integration and enterprise markets in mind. With an integrated antenna and convenient PCMCIA Cardbus interface it will fit into all of today's systems. The XG-302 is a high performance wireless adapter that exceeds both IEEE 802.11g and FCC regulatory requirements.

The XG-302 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-302 is a superb choice for any wireless application requiring enhanced connectivity and small form factor.



XG-302 at a glance

- 802.11g compliant
- 18 dBm Tx output Power
- -82 dBm Rx Sensitivity @ 11mbps
- 32-bit Cardbus, Type II
- Conexant Javelin chipset
- FCC compliant
- WPA Security
- Driver support – Windows, Linux and customized drivers are available.

Powered By:



Physical Specification:

Host Interface	32-bit CardBus, Type II PCMCIA
Dimensions (L x W x H)	117.6mm(L) * 54.1mm(W) * 7mm (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	13dBm @ 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	IEEE 802.11g <480mA, RX: <340mA
Power consumption	IEEE 802.11b <430mA, RX: <340mA

Antenna Specification

Antenna	Integrated Patch antenna
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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