



GL2422-01

22Mbps Wireless LAN Cardbus Adapter 32-bit Cardbus

FEATURES

- Compatible with IEEE 802.11b (DSSS) 2.4GHz standards
- Supports 22Mbps Packet Binary Convolutional Code (PBCC)
- Based on Direct Sequence Spread Spectrum technology
- Auto fallback data rate 22/11/5.5/2/1Mbps for longer distance
- WEP encryption function with 64/128/256-bit options
- Supports Infrastructure mode and Ad hoc mode
- Windows based monitor and configuration utility
- Advanced Power Management for power saving mode
- Equipped with integrated diversity antenna Software supports for most of operating systems

OVERVIEW

The 22Mbps Wireless LAN Adapter for Cardbus compliant notebook PCs, is fully compatible with the IEEE802.11b standard and supports high data rate to 22Mbps, 11Mbps, 5.5Mbps, 2Mbps and 1Mbps over the Ethernet speed. Using Direct Sequence spread spectrum technology for immunity to interference, it will automatically fallback to lower data rate under noisy environment.

Especially this solution is also based on the Packet Binary Convolutional Code (PBCC) which supports a data rate for 22Mbps. The software supports most of OS for operation, like Win98SE, WinMe, Win2000 and WinXP, and so on. This plug-and-play PC card for your laptop is a solid design with an integrated diversity antenna that increase the receiving and transmitting sensitivity.

Without the limitation of traditional wired LAN environment, wireless communication provides much flexibility and mobility to expand the working environment that is not good for cabling, like home, warehouse, lobby, and other public places.

SPECIFICATIONS

Radio Specifications	
Standard	IEEE802.11b plus 22Mbps PBCC
Emission Type	Direct Sequence Spread Spectrum (DSSS)
Modulation Type	BPSK (1Mbps) / QPSK (2Mbps) / CCK (5.5/11Mbps) / PBCC(5.5/11/22 Mbps)
Frequency Range	2.4GHz ISM Band
Operating Channel	11 Channels (US, Canada) 13 Channels (Europe) 14 Channels (Japan)
Data Rate	22 / 11 / 5.5 / 2 / 1 Mbps with auto fallback
RF Output Power	16-18 bBm minimal
Receiver Sensitivity	-80dBm typically
WEP Encryption	64 / 128 / 256 bit Wired Equivalent Privacy
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Compliant	FCC Part 15 Class B, Sec. 15.247 and 15.109 (USA) ETSI 300 328, ETSI 300 826, EN60950, CE (Europe) WiFi Complaint
Typical Operating Range	30m indoors, 100m outdoors for 22Mbps 50m indoors, 200m outdoors for 11Mbps 80m indoors, 300m outdoors for 5.5Mbps 120m indoors, 350m outdoors for 2Mbps 150m indoors, 400m outdoors for 1Mbps (Note: Operating range depends on application environments)

System Specifications	
Management	Windows Based Monitor / Configuration Utility
System Interface	32-bit Cardbus Standard
LED Indicators	Power(Red), TX/RX(Green)
Antenna Type	2dBi (max) with built in patch diversity antenna
Power Consumption	+3.3V 600mA Max.
Dimension	114 x 54 x 5 mm
Weight	250gw
Power Supply	+3.3V power supply from Cardbus
Operating System	NDIS5.0 LAN driver for Win98/SE, WinMe, WinXP, Win2000

Environment	
Operating Temperature	0 to 55
Storage Temperature	-20 to 70
Operating Humidity	0% to 70% Non-Condensing
Storage Humidity	0% to 95% Non-Condensing

ORDERING INFORMATIONS

Model	Description
GL2422-01	22Mbps Wireless LAN Cardbus Adapter

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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