



XN-622

IEEE 802.11b/gN* 2.4 GHz WLAN mini-PCI Card

- High-speed Wireless-N (draft 802.11n) networking, Data Rate up to 270Mbps for 40MHz
- Backward Compliant with IEEE802.11b/g
- MIMO technology with 2 antenna connectors available
- Linux drivers support with the complete software feature sets

Ultimate Performance

XN-622 is a draft 802.11n wireless embedded module that delivers incomparable wireless performance. This wireless module offers up to 5x faster speeds than 802.11g while staying backward compatible with 802.11g and 802.11b networks.

MIMO (Multiple-input multiple-output) Technologies

Based on the advanced MIMO technologies, XN-622 provides 2 external antenna connectors as option, which ensures not only the optimization of the speed, but also the maximum coverage.

Integration with Least Effort

XN-622 is the ideal solution to add 802.11N Wireless feature to the broadband platform. With Z-COM's exceptional & well-known experience in module embedded support, our assistance lessens integration efforts in EMC, antenna location and system engineering.

*Draft-N complaint refers to the compliance of IEEE802.11N draft v 2.0

Product Description			
Draft IEEE 802.11n 2.4 GHz WLAN miniPCI card			
Host Interface			
32-bit mini-PCI, Type III A			
Operating Voltage			
DC3.3V \pm 5%			
Power Consumption			
11b	TX: \leq 900 mA		RX: \leq 700 mA
11g	TX: \leq 900 mA		RX: \leq 700 mA
11n	TX: \leq 900 mA		RX: \leq 700 mA
Radio			
Antenna	Two U.FL-R-SMT connectors		
Output Power (Maximum)	IEEE 802.11b: 17dBm @ 11Mbps	IEEE 802.11g: 16dBm @ 54Mbps	IEEE 802.11N: 16dBm @ HT20; 16dBm @ HT40
Sensitivity	11b:11Mbps: \leq -80dBm 11g:54Mbps: \leq -65dBm 11n:HT20: \leq -64dBm; HT40 : \leq -61dBm		
Operating Frequency	IEEE 802.11b/g ISM Band; 802.11n 20MHz US, Canada: 2.412GHz ~ 2.462 GHz (CH1 ~ CH11) EU, Japan: 2.412 GHz ~ 2.472 GHz (CH1 ~ CH13) IEEE802.11n 40MHz US, Canada: 2.422GHz ~ 2.462 GHz (CH3 ~ CH9) EU, Japan: 2.422 GHz ~ 2.462 GHz (CH3 ~ CH11)		
Modulation	802.11b: CCK, QPSK, BPSK 802.11g: OFDM Draft 11n: BPSK, QPSK, 16-QAM, 64-QAM		
Data Rate	802.11b: 1, 2, 5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n Draft: 6, 6.5, 13, 13.5, 19.5, 26, 27, 39, 40.5, 53, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 162, 216, 243, 270, 300Mbps		
Software Specification			
Supported OS	Win 2K SP4/ Win XP SP1, Vista and Linux		
Security	WEP 64,128,152-bit WPA,WPA2		
Physical Specification			
Dimension	59.6mm(L) * 50.9mm(W) * 3.25mm(H)		
Weight	\leq 50 g		
Environment Specification			
	Temperature (Ambient)	Humidity (non-condensing)	
Operating	0 ~ 50 $^{\circ}$ C	80%	
Storage	-20 ~ 80 $^{\circ}$ C	5 ~ 90%	
Warranty			
12 months	智捷科技股份有限公司		



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