

2.4GHz

Wireless Compact Flash Card

Model no. NL-2511CF Mercury



Feature	Benefit
IEEE802.11b compliant	Fully Interoperable with IEEE 802.11b compliant products
Automatic data rate scaling at 11, 5.5, 2 and 1 Mbps	Optimized throughput, range and connectivity
Improved 64/128-bit WEP Encryption	Powerful data security
Support RTS and CTS threshold control	Significantly improved throughput
Advanced Power Management	Extended battery life
Plug and Play PC Card interface	Easy installation
Significantly improved indoor multi-path distortion	Higher link quality in indoor environment

General	
Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Certifications	FCC Part 15.247 ETSI 300.328; ARIB STD33 & T66
Compatibility	Fully interoperable with IEEE802.11b compliant products
Network Architecture	Support ad-hoc, peer-to-peer networks and infrastructure communications to wired Ethernet networks via Access Point
Security	64/128-bit WEP data encryption
Drivers	Windows CE 3.0, CE.NET/PocketPC 2002/ 2003

Radio	
Frequency Band	USA – FCC 2412~2462MHz (Ch1~Ch11) Canada – IC 2412~2462MHz (Ch1~Ch11) Europe – ETSI 2412~2472MHz (Ch1~Ch13) France 2457~2472MHz (Ch10~Ch13) Japan – STD-T66/STD-33 2412~2484MHz (Ch1~Ch14)
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK (11, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
Operation Channels	11 channels (US, Canada) 13 channels (ETSI) 4 Channels (France) 14 channels (Japan)
RF Output Power	14dBm (50mW)—FCC; 14dBm (50mW)—CE
Media Access Protocol	CSMA/CA with ACK
Sensitivity @FER=0.08	-86dBm for 11Mbps, -88dBm for 5.5Mbps, -90dBm for 2Mbps, -92dBm for 1Mbps,

Physical	
LED Indicator	Link / Activity(Green)
Operating Voltage	3.3V
Antenna	Integrated, with built-in diversity
Interface	Compact Flash Type-II Slots
Dimensions	118(L) mm x 54(W) mm x 7.5(H) mm
Weight	40 g

Environment	
Temperature Range	-10°C to 55°C - Operating -20°C to 80°C - Storage
Humidity (non-condensing)	5% to 95% typical

*All specifications are subject to change without notice

Updated: 05/21/2004