

## Skyliance Network

### Skylink Wireless Series

Standard-based Wireless Networking PC-card solutions

#### SKYLINK WIRELESS C120 PC-CARD



#### OVERVIEW

Wireless LAN uses radio frequencies to transmit and receive data between PC's or other network devices without wires or cables. The applications of wireless LAN include independent networks (suitable for small or temporary peer-to-peer configurations) and infrastructure networks, offering fully distributed data connectivity via micro cells and roaming.

The C120 is IEEE 802.11 high data rate standard compatible PCMCIA card, which fully supports high data rate to 11Mbps, 5.5Mbps, 2Mbps and 1Mbps over the Ethernet speed. Using Direct Sequence spread spectrum technology for immunity to interference, it is easy to install on various devices which has 32bit CardBus controller interface. The software support most commercially available operating system. Automatic fallback to lower data rate optimizes communication possibility in worse channel conditions and over larger distances.

#### APPLICATION

- Home networking for device sharing
- Wireless multimedia
- Wireless office for extension Ethernet range
- Mobile networking for notebook PC

#### FEATURES AND BENEFITS

- IEEE 802.11 Direct Sequence Spread Spectrum (DSSS) high rate compatible
- High data rate 11 / 5.5 / 2 / 1 Mbps
- Auto fallback data rate under noisy environment
- Support 64 / 128 Bit WEP encryption for security
- Power saving mode in infrastructure mode to minimize power consumption when needed
- Build-in PCB patch diversity antenna
- Compliant with Windows 98 / 2000 / ME / XP
- Support 32bit CardBus interface
- Easy-to-Use Graphical Configuration utility saves detailed connectivity profiles for frequently accessed networks

## Technical Specifications

Features	
<i>General</i>	
<b>Standard Compliance</b>	IEEE 802.3 and 802.11b
<b>Security</b>	WEP 64-bit, 128-bit, IEEE 802.1x
<i>Radio Characteristics</i>	
<b>RF Range</b>	2.4 ~ 2.4835 GHz (for US, Canada, and ETSI) 2.4 ~ 2.497 GHz (for Japan)
<b>Data Rate Modulation Type</b>	11 / 5.5 / 2 / 1 Mbps
<b>Operating Channels</b>	CCK, BPSK, QPSK
<b>Compliance</b>	IEEE 802.11b compliant Europe - 13 (ETSI), US, Canada - 11, Japan - 14
<b>Radio Technology</b>	Direct Sequence Spread Spectrum > +15 dBm, 10mW/MHz for Japan
<b>Output Power</b>	-80 dBm Min. (11Mbps, @ BER 10E-5)
<b>Receiver Sensitivity</b>	-82 dBm Min. (5.5 / 2 / 1Mbps, @ BER 10E-5)
<i>Power Consumption</i>	
<b>Current</b>	Tx mode 350mA (Max.) @3.3V Rx mode 150mA (Max.) @3.3V
<i>Software Management</i>	
<b>Driver Support</b>	Windows 98 / Me / 2000 / XP
<b>Utility</b>	Software based on supported OS
<b>Host Interface</b>	32bit CardBus
<b>Antenna</b>	Build-in PCB patch space diversity antenna
<b>Dimensions</b>	54.0 x 118.5 x 6.0mm
<b>Weight</b>	40 grams
<i>Environmental</i>	
<b>Temperature</b>	0 ~ +55°C (operation) -20 ~ +65°C (storage)
<b>Relative Humidity</b>	95% (non-condensing)
<i>EMC Certificate</i>	
<b>Radio</b>	EU: ETS 300 328; USA: FCC Part 15C Taiwan: DGT
<b>EMC</b>	EU ETS 300 826; USA: FCC Part 15B Safety: EN60950