Skyliance Network

Skylink Wireless Series

Standard-based Wireless Networking CF-card solutions

SKYLINK WIRELESS F110 CF-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 high performance Wireless LAN Compact Flash Card offers high-speed wireless connection, up to 11Mbps. One embedded chip antennas. The Wired Equivalent Privacy (WEP) with 64-bit/128-bit encryption design allows you to have reliable wireless communication.

Wireless LAN CF Card is designed and manufactured by expertise in wireless communication sector. Its performance and reliability exceed the requirements of IEEE 802.11b standard, and its interoperability provides the flexibility to work with other 802.11b compliant device boundlessly.

The CF card is especially designed for portable device including notebook computer and PDA to stay connected with mobility over handheld computing platform.

APPLICATION

- Home networking for device sharing
- Wireless multimedia
- Wireless office for extension Ethernet range
- Mobile networking for notebook PC, Tablet PC and PDA

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 minimizes power consumption when needed
- Build-in PCB patch diversity antenna
- Compliant with Windows CE / 98 / 2000 / ME / XP and Linux
- Plug-and-play installation
- Operating range
  - Open: Up to 300m
  - Office: 30 ~ 100m

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Technical Specifications

Features		

General

Standard Compliance	IEEE 802.3 and 802.11b
Security	WEP 64-bit, 128-bit, IEEE 802.1x

Radio Characteristics

RF Range	2.4 ~ 2.4835 GHz (for US, Canada, and ETSI) 2.4 ~ 2.497 GHz (for Japan)
Data Rate Modulation Type	11 / 5.5 / 2 / 1 Mbps
Operating Channels	CCK, BPSK, QPSK
Compliance	IEEE 802.11b compliant Europe - 13 (ETSI), US, Canada - 11, Japan - 14
Radio Technology	Direct Sequence Spread Spectrum
Output Power	> +15 dBm, 10mW/MHz for Japan
Receiver Sensitivity	-80 dBm Min. (11Mbps, @ BER 10E-5) -83 dBm Min. (5.5 / 2 / 1Mbps, @ BER 10E-5)

Power Consumption

Current	Voltage: 5 / 3.3 Vdc Current Drain (Typ. @ 3.3 V): Tx mode:300 mA (typ) Rx mode:210 mA (typ)

Software Management

Driver Support	Windows CE / 98 / Me / 2000 / XP
Utlility	Software utlity for management and configuration

Mechanical

Host Interface	Host Interface: CF type I
Antenna	Connector - On-Chip Antenna
Dimensions	53 x 43.0 x 3.3 mm
Weight	18 grams

Environmental

Temperature	0 ~ +55°C (operation) -20 ~ +65°C (storage)
Relative Humidity	95% (non-condensing)

EMC Certificate

EMC	U.S., Canada: FCC Part 15, sections 15.247,15.205, 15.209; RSS-210 Europe: ETS 300 328, ETS 300 826, CE Marked