Skyliance Network

Skylink Wireless Solution

Standard-based Wireless Networking Solutions for Carriers and Enterprises

SKLINK INDOOR WIRELESS ACCESS POINT

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 A14 Wireless LAN Access Point is designed and manufactured by expertise in wireless communication sector. Its performance and reliability exceed the requirements of IEEE 802.11b and leaving headroom for upcoming wireless standard. It can be used as a bridge to enable wireless network access in Ethernet environment.

FEATURES AND BENEFITS

- Compliant with IEEE 802.11b standard
- Automatic data rate fallback under noisy environment (11 / 5.5 / 2 / 1 Mbps)
- Supports full mobility and seamless roaming from cell to cell
- Local, remote and automatic configuration
- Easy client management with supplied utility software
- Desktop and wall/ceiling mount
- Operating range
  - Open: Up to 300m
  - Office: 30 ~ 100m
- Bridging function
- Support IEEE 802.1x Port Based Network Access Control
- Support IEEE 802.11d International roaming
- Provide web server function
- Provide repeater function
- Wireless to wireless filtering
- Provide RSS (Receive Signal Strength) indicator
- Remote management support
- Remote software upgrade Worldwide Universal voltage

Technical Specifications

Features	
General	Standards Compliance: IEEE 802.3 and 802.11b Security: WEP 64-bit, 128-bit, IEEE 802.1x
Hardware:	Radio Frequency Range: 2.4 ~ 2.4835 GHz - Data Rate: 11 / 5.5 / 2 / 1 Mbps - Modulation: DBPSK for 1 Mbps DQPSK for 2 Mbps CCK for 5.5 / 11 Mbps - Coding: 1, 2 Mbps: 11 chip/bit Barker Coding 5.5, 11 Mbps: Complementary Code Keying - Number of Channels: Europe - 13, US - 11, France - 4, Japan - 14 - Host Interface: RJ-45, USB (local configuration) - Transmit Power (Min.): +20 dBm - Receive Sensitivity (Typ. @BER < 10E-5): -83 dBm for 11 Mbps
Utility	Current Drain: < 750 mA @ 5 Vdc OS Supported: Windows 98 / Me / NT / 2000 / XP
Management	Local - USB; Remote - SNMP, DHCP client, Web server
Mechanical	Connector: One RSMA connector for external antenna LED Indicators: LAN, RSS, Power, and WLAN Dimensions: 167.0 x 117.5 x 35.5mm (w/o antenna) Weight: 220 g (excluding power adapter)
Environmental	Temperature: 0 ~ +55℃ (operation) -20 ~ +65℃ (storage) Relative Humidity: 95% (non-condensing)
Power Adaptor	90 ~ 264 VaC input, 5 Vdc output
EMC Certificate	U.S.: FCC Part 15, sections 15.247,15.205, 15.209 Europe: ETS 300 328, ETS 300 826, CE Marked