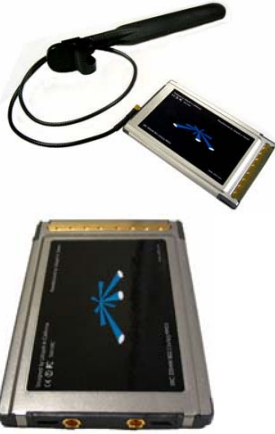


WiBORNE, INC.

High Power 300mW 802.11b/g and 100mW 802.11a PCMCIA Cardbus with Clip on Antenna

WLC-SRC



The WLC-SRC adapter is a hi-performance, hi-power FCC-compliant client solution specifically designed for long distance links normally impossible to achieve with standard a/b/g cards. It features excellent receiver performance, external antenna connectors, advanced mobility functionality, as well as Cisco CCX 4.0 support with the latest 802.11 QoS and Security standards.

The utility contains advanced scanning functionality with credential filtering options and detailed performance feedback reporting. In addition, an advanced mobility application allows network administrators to optimize mobility performance based on a variety of thresholds such as signal level, data rate, and AP credentials.

The laptop antenna is a 5 dBi clip antenna with adjustable Laptop Clip Mount and Sticker Mount Included.



General Specifications

Host Interface	Cardbus (32 bit) Type 2	
Frequency Band	802.11 a/b/g ISM band 2400 ~2484, 5180 ~5825 MHz(subject to local regulations)	
Radio Operation	IEEE 802.11a/b/g with CCK/OFDM at BPSK/QPSK/16QAM/64QAM	
Data Rate	6Mbps, 9Mbps, 12Mbps, 24Mbps, 36Mbps, 48Mbps. 54Mbps	
Security	WPA, WPA2, AES-CCM & TKIP Encryption, 802.1x, 64/128/152bit WEP	
Antenna Ports	Dual MMCX (Primary only required; secondary optional for diversity)	
RoHS Compliance	YES	
Temperature Range	-40C to +80C (extended temp version up to +95C)	
Wireless Chipset	Atheros 5004	
Operation Voltage	3.3VDC	
Wireless Modular Approvals	FCC Part 15.247, CE	
Radio Output Power (at connector)	802.11b/g: 300mW (24dBm) 1-24 Mbps 200mW (23dBm) 36 Mbps 159mW (22dbm) 48 Mbps 100mW (20dBm) 54 Mbps	802.11a: 100mW (20dBm) 1-24 Mbps 80mW (19dBm) 36 Mbps 63 mW (18dbm) 48 Mbps 40 mW (16dBm) 54 Mbps
Sensitivity @FER=0.08	802.11b/g: 1 Mbps -96 dBm 2 Mbps -95 dBm 5.5 Mbps -94 dBm 6 Mbps -93 dBm 9 Mbps -92 dBm 11 Mbps -91 dBm 12 Mbps -90 dBm 18 Mbps -89 dBm	802.11a: 6 Mbps -92 dBm 9 Mbps -91 dBm 11 Mbps -90 dBm 12 Mbps -89 dBm 18 Mbps -88 dBm 24 Mbps -84 dBm 36 Mbps -81 dBm 48 Mbps -79 dBm

	24 Mbps -87 dBm 36 Mbps -84 dBm 48 Mbps -78 dBm 54 Mbps -75 dBm	54 Mbps -75 dBm
Range Performance (Antenna Dependent)	Indoor: Up to 150 meter; Outdoor: Over 1KM	
Driver Information		
Operating System Support	Linux, Windows XP, Windows 2000	
Advanced Mobility / QuickHandoff	WindowsXP/2000 Utility with Enhanced Mobility Driver from Ubiquiti	
Cisco Support	CCX 4.0 Supported Driver/Utility also available from Ubiquiti	
Laptop Antenna Information		
Antenna Dimensions	5.1 in x 0.83 in	
Cable	18 in with MMCX plug	
Antenna Type / Polarization	Omni-directional / Vertical Polarized	
Antenna Gain	5dBi	
Mounting Type	Adjustable Laptop Clip Mount and Sticker Mount Included	

Optional External Indoor Antennas

802.11 a/b/g antennas ranged from 4 to 10 dBi with J100 cable length 50CM of cable and MMCX or u.fl connectors for above cardbus adapter:



6160 Series



8640 Series



6180 Series



6110 Series



6601 Series



4010 Series



4020 Series



014 Series

Model #	Gain (dBi)	Brief Spec
6151	5	Omni, clip, stick resealable, or magnetic.
8640	5	Omni, stand
6180	4	Omni, stand
6110/6601	8	Directional, stand or wall mount
4010/4010	9/12	Directional, stand or wall mount
014	10	Sector, mounting kits – desktop, suction, magnetic, or wall mount