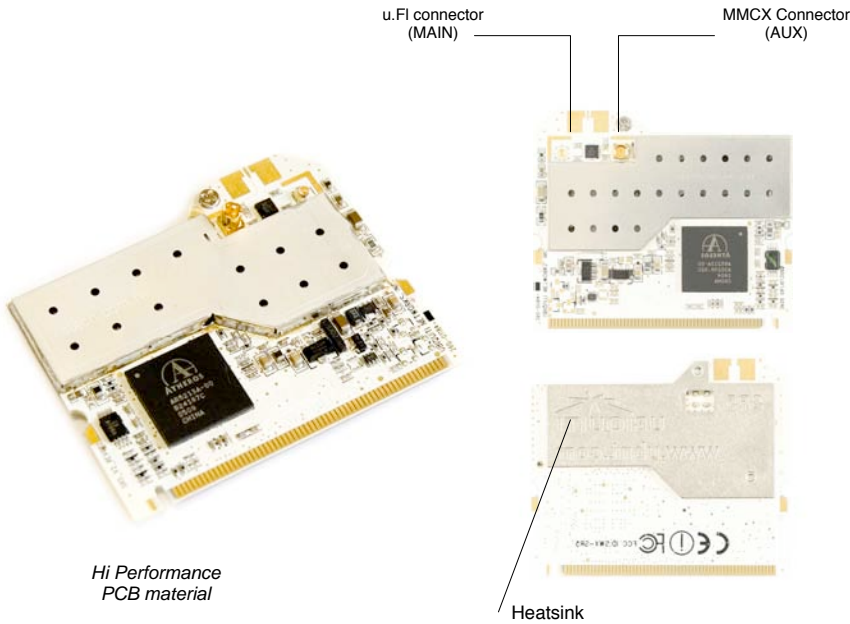# SUPER RANGE 5

Link Faster and Farther at 5GHz

The Super Range 5 (SR5) 802.11amini-PCI card with patent-pending Super Range radio technology has been designed from the ground up specifically for outdoor wireless. The SR5 solves the problem of increasing 802.11 based outdoor wireless system perfromance without the increased system complexity, legal questions, added spurious emissions, and degraded receiver performance that accompany use of external bi-directional amplifiers.

u.Fl connector
(MAIN)

MMCX Connector
(AUX)

Hi Performance PCB material

Heatsink

FEATURES/PERFORMANCE

Chipset
Atheros AR5213 MAC/BB
Atheros AR5112 ROC

Transmit Power

Rate	Power
6-24 Mbps	26 dBm, +/- 1dB
36 Mbps	24 dBm, +/- 1dB
48 Mbps	22 dBm, +/- 1dB
54 Mbps	21 dBm, +/- 1dB

Current Consumption @3.3V

Transmit

6-24 Mbps	1300mA, +/-100mA
36 Mbps	1000mA, +/-100mA
48 Mbps	900mA, +/-100mA
54 Mbps	800mA, +/-100mA
Receive	350mA, +/-50mA

Receive Senstivity

Rate	Level
6 Mbps	-94 dBm, +/- 2dB
9 Mbps	-93 dBm, +/- 2dB
11 Mbps	-92 dBm, +/- 2dB
12 Mbps	-91 dBm, +/- 2dB
18 Mbps	-90 dBm, +/- 2dB
24 Mbps	-86 dBm, +/- 2dB
36 Mbps	-83 dBm, +/- 2dB
48 Mbps	-77 dBm, +/- 2dB
54 Mbps	-74 dBm, +/- 2dB

Compliance
CE
FCC ID: SWX-SR5

Temperature Rating

Storage	-70 - +85 C
Operation	-40 - +60C

COMPATIBILITY INFORMATION

The SR5 card will work seamlessy with any system and software that currently supports Atheros AR5004 mini-PCI cards. Maximum output power will appear as default irrespective of what the driver reports. Compatibility with many platforms has been verified including: