

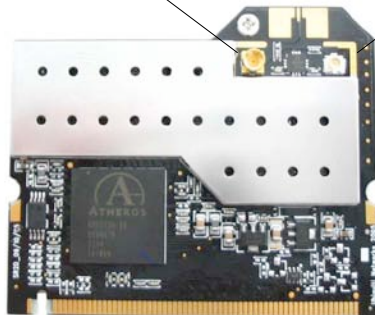
SUPER RANGE 2

Expand the Range of WiFi Networking

The Super Range 2 (SR2) 802.11b/g mini-PCI card with patent-pending Super Range radio technology has been designed from the ground up specifically for outdoor wireless. The SR2 solves the problem of increasing 802.11 based outdoor wireless system performance without the increased system complexity, legal questions, added spurious emissions, and degraded receiver performance that accompany use of external bi-directional amplifiers.

MMCX Connector (AUX)

u.FI connector (MAIN)



Heatsink



COMPATIBILITY INFORMATION

The SR2 card will work seamlessly 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:



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FEATURES/PERFORMANCE

Chipset

Atheros AR5213 MAC/BB

Atheros AR2112 ROC

Transmit Power

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

Current Consumption @3.3V

Transmit

1-24 Mbps	1300mA, +/-100mA
36 Mbps	800mA, +/-100mA
48 Mbps	700mA, +/-100mA
54 Mbps	600mA, +/-100mA

Receive	350mA, +/-50mA
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Receive Sensitivity

Rate	Level
1 Mbps	-97 dBm, +/- 2dB
2 Mbps	-96 dBm, +/- 2dB
5.5 Mbps	-95 dBm, +/- 2dB
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 (SR2E, 200mW version)
FCC ID: SWX-SR2

Temperature Rating

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