

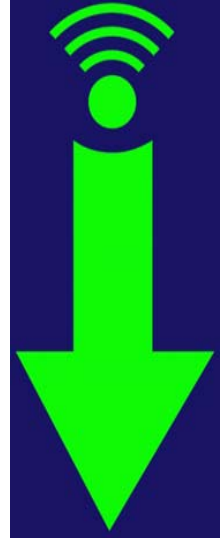
Comparison (WiFi Competitors)

	BRCM 4325	QCOM QCA400 4	TI CC3200	Gainspar GS1011	Rockchip RKi6000
	3.3V	3.3V	3.6V	3.3V	3.3V
Sensitivity@1Mbps	-94dBm	-95dBm	-95.7dBm	-92dBm	-94.7dBm
Rx Power	90mA	64mA	59mA	140mA	20mA

**The Best Choice
Lowest Power WiFi**



85%
Energy Savings!



Comparison (Other Standard Competitors)

	CSR WLCSP	TI CC2540	TI CC2520	Rockchip RKi6000
	3.15V	3.0V	3.0V	3.3V
Standard	BT 2.1 +EDR	BT 4.0 (LE)	Zigbee	WiFi 802.11b
Max Data Rate	3Mbps	<u>1Mbps</u>	250Kbps	<u>11Mbps</u>
Receive Power				
Sensitivity@1Mbps	N/A	-99dBm	-98dBm	-95dBm
Peak Rx Power	45mA 141.75mW	19.6mA 58.8mW	18.5mA 55.5mW	20mA 60mW
Rx Energy Efficiency	47.25 nJ/bit	58.8 nJ/bit	222 nJ/bit	6.0 nJ/bit
Transmit Power				
Max Output Power	6dBm	-6dBm	0dBm	0dBm
Peak Tx Power	45mA 141.75mW	24mA 72mW	25.8mA 77.4mW	20mA 60mW
Tx Energy Efficiency	47.25 nJ/bit	72 nJ/bit	310 nJ/bit	6.0 nJ/bit



Rockchip RKi6000
Low Power WiFi
 ✓ Same as BT LE
 ✓ Lower than BT



RKi6000 Energy Saving 85%

Receive Power ONLY @20mA

e.g. Run WiFi for IoT applications

Up to **35**years on AAA battery

VS. Atmel up to **10**Years

@30mins interval speed

