

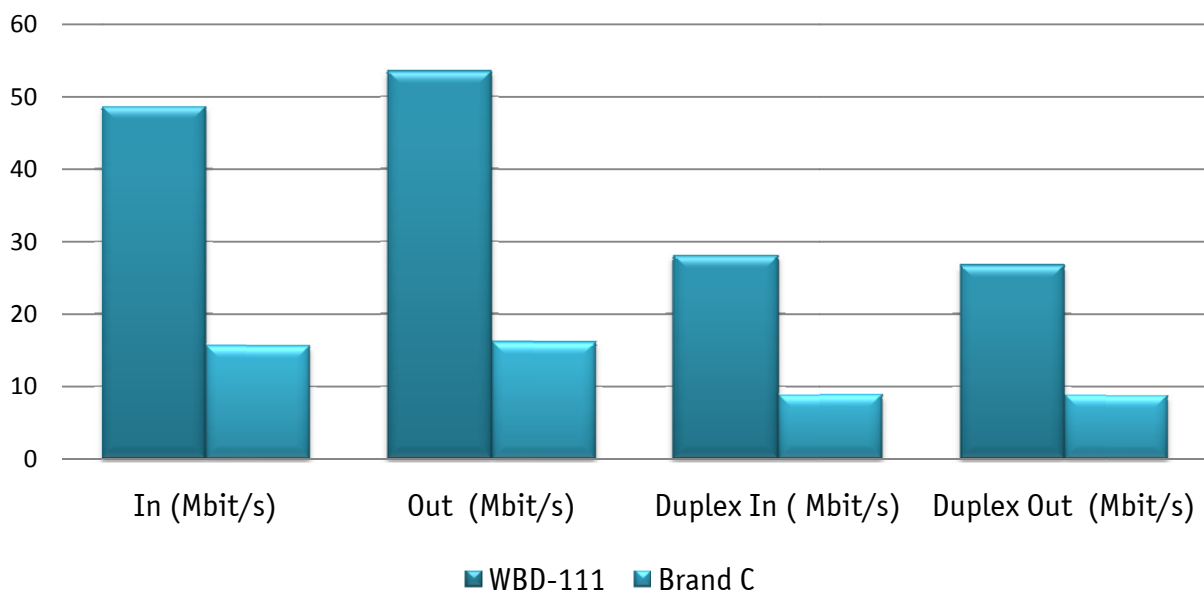
# WILIGEAR CPU Board WBD-111 comparison guide



Below is a comparison of the new WBD-111 multi-purpose wireless platform with its main rivals that were designed to work in the same scenarios.

	WBD-111	Brand B	Brand C	
<b>Hardware Features</b>	Power Consumption (Watt)	1.8	3	3
	Lightning Protection	YES	NO	Limited
	PPS (packets per second)	45,000	15,000	5,000
	Warranty	1-Year	1-Year	Limited
	Worldwide Support	YES	Limited	NO
	Memory (MB)	32	16	16
	CPU Speed (MHz)	300	175	175
<b>Software Features</b>	AP / Repeater mode	YES	NO	NO
	Extended Frequencies	YES, Standard	Extra Cost	Extra Cost
	Customizeable Web UI	YES	NO	NO
	Centralized Configuration Management	YES	NO	NO
	Centralized FW Upgrades	YES	NO	NO
	Firmware Factory to build custom FW images	YES	NO	NO
	Flat Configuration file for easy archive, configuration	YES	NO	NO
	Access to system shell	YES	NO	NO

## Performance comparison





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## Size really matters!

Let us take three WLAN platforms for comparison. Below you can see a table with weights of each platform.

	WBD-111	Brand B	Brand C
Weight:	55 g/ 0.12 lb	82 g/ 0.18 lb	120 g/ 0.26 lb

Now let us show you a simple example. You order 54 WBD-111 boards online and want them to be shipped to Greece. 54 boards weigh 2.97 kg/ 6.55 lb and the price of such delivery is \$97 at this moment. For the same amount of money, you could ship only 36 brand B boards or 25 brand C boards. The shipping price for our WBD-111 is \$1.8 per board, for brand B is \$2.7 per board and for brand C is \$3.9 per board. Now you can see the impact of weight even with shipping – an important consideration when justifying cost of a new hardware platform!

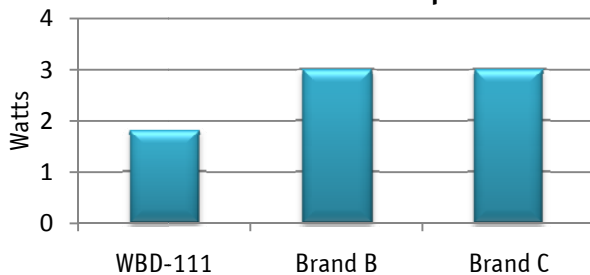
Another example is seen with comparison of dimensions between the WBD-111 and its competitors:

	WBD-111	Brand B	Brand C
Dimensions:	90mm X 80mm/ 3.54 inch X 3.15 inch	105mm X 105mm/ 4.13 inch X 4.13 inch	128mm X 109mm/ 5.04 inch X 4.29 inch

The results show that brand B is 1.5 times bigger in area and brand C is 1.9 times bigger in area than our product. Boards are typically integrated into enclosures, so bigger enclosure requirements also mean additional material cost. This also transforms into additional shipping cost to the end user because additional enclosure material means more weight for shipping.

## Do you care how much energy your devices need?

### Power Consumption



The power consumption table on the left shows the efficacy of the WBD-111. While other wireless platforms require 3 Watts, our product requires only 1.8 Watts. Besides energy efficiency, its low power consumption requirements make solar power a realistic option, providing considerable cost savings and environmental benefits.

The WBD-111 outshines its competitors in size, performance, versatility, and efficiency. Be the first to try this exciting new product by visiting our online store!