

Dbii Networks F64N is a 5.9-6.45GHz MiniPCI card with a robust radio frequency front end. It is built using an IEEE 802.11an compliant MAC and Baseband (Atheros AR9220) but with a specialized RF front end. Its high RF output power and excellent receive sensitivity and gain are designed for long distance outdoor wireless networks. The card also has built-in RF surge protection that enhances the reliability in harsh outdoor conditions.

### Transmitter Characteristics (Tol: +/-3) (Combined)

Rate	6 Mbps	54 Mbps	MCS0	MCS7
<b>RF Output Power</b>	27 dBm	21 dBm	27 dBm	20 dBm
<b>DC Power consumption</b>	8.0 Watts	6.5 Watts	8.0 Watts	6.2 Watts

### Receiver Characteristics (Tol: +/- 2dBm)

Rate	6 Mbps	54 Mbps	MCS0	MCS7
<b>Sensitivity</b>	-90 dBm	-71 dBm	-90 dBm	-70 dBm
<b>DC Power consumption</b>	1.0 Watt	1.0 Watt	1.0 Watt	1.0 Watt

### Miscellaneous

<b>RF connector</b>	2 MMCX Plug (2x2 MIMO)
<b>Dimensions</b>	3.6 inch X 3 inch (Extents)
<b>Weight</b>	21 grams
<b>Operational Temperature</b>	-40C to +60C
<b>Storage Temperature</b>	-40C to +80C
<b>Humidity</b>	0% to 95% (non-condensing)
<b>MAC Chipset</b>	Atheros AR9220
<b>Data Rates</b>	11a (6-54Mbps), 11n(6.5-300Mbps)
<b>Channel Bandwidth</b>	5/10/20/40MHz
<b>Frequency Offset</b>	950MHz (Real Frq= Driver Frq + Off)
<b>Tx Power Offset</b>	7dBm (Real Pow = Driver Pow + Off)
<b>Support</b>	support@dbii.com

