

Dbii Networks F20 is an 802.11b/g MiniPCI card with a robust radio frequency front end. Its 500mW RF output power and best in class receive sensitivity and gain are designed with long distance outdoor wireless networks in mind. The card has a built-in Heatsink that makes it optimal for high temperature environments. Its improved co-channel interference will also provide highest level of performance in noisy networks. The card is FCC approved.

Transmitter Characteristics

Data Rate	1Mbps, 11b	6Mbps, 11g	36 Mbps, 11g	48 Mbps, 11g	54 Mbps, 11g
RF Output Power	27dBm	27 dBm	26 dBm	24 dBm	23 dBm
DC Power consumption	4.3 Watts	4.3 Watts	3.4 Watts	3.3 Watts	3.0 Watts

Receiver Characteristics

Data Rate	1Mbps, 11b	6 Mbps, 11g	36 Mbps, 11g	48 Mbps, 11g	54 Mbps, 11g
Sensitivity (in All CH mode)	-97 dBm	-94 dBm	-83 dBm	-77 dBm	-74 dBm
DC Power consumption	1.1 Watts	1.1 Watts	1.1 Watts	1.1 Watts	1.1 Watts

Miscellaneous

RF connector	Single MMCX Plug
Dimensions	6 cm X 6.4cm (2.1 inch X 2.2 inch)
Weight	20 grams (0.7 ounces)
Operational Temperature	-40C to +80C
Storage Temperature	-40C to +80C
Humidity	0% to 95% (non-condensing)
MAC Chipset	Atheros AR5414 with Turbo Support
Channel Width Support	5MHz, 10MHz, 20MHz, 40MHz
Data Rates	1/2/5.5/11 Mbps (11b) 6/9/12/24/36/48/54 Mbps (11g)
Warranty	One Year Limited Warranty
Support Information	Contact support@dbii.com

