

Dbii Networks F50 is an 802.11a 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

Rate	6 Mbps	36 Mbps	48 Mbps	54 Mbps
RF Output Power	27 dBm	26 dBm	24 dBm	22 dBm
DC Power consumption	5.3 Watts	5.0 Watts	4.4 Watts	4.1 Watts

Receiver Characteristics

Rate	6 Mbps	36 Mbps	48 Mbps	54 Mbps
Sensitivity	-94 dBm	-83 dBm	-77 dBm	-74 dBm
DC Power consumption	1.0 Watt	1.0 Watt	1.0 Watt	1.0 Watt

Miscellaneous

RF connector	Single MMCX Plug
Dimensions	6 cm X 5.2cm (2.1 inch X 2.0 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 (6 th Generation)
OS Compatibility	Mikrotik, Peplink, Ikarus, Wilibox,
SBC Comatibility	PC Engines WRAP, Routerboard, Gateworks
Warranty	One Year Limited Warranty
Support Information	Contact support@dbii.com

