

DBII mini-PCI radio F-50



The DBII F-50 mini-PCI radio is designed for 802.11a high speed physical layer operation on the 5 GHz band. This mini-PCI card has 500 milliwatts of RF output power coupled with excellent receive sensitivity and gain. The F-50 radio was specifically designed for long distance point-to-point and point-to-multipoint outdoor links. The integrated heat sink allows for excellent thermal dispersion, enabling the F-50 to work in high temperature environments. The F-50 offers enhancements in CCI (co-channel interference), giving users better performance in areas with poor frequency-usage planning, over-crowded radio spectrums and adverse weather conditions. This product is also RoHS compliant and is CE and FCC certified.

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

Specifications

Chipset	Atheros AR5414 (6 th generation)
RF connector	Single MMCX plug
Dimensions	6 cm X 5.2 cm / (2.1 inch X 2.0 inch)
Weight	20 g / 0.044 lb
Operational temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Warranty	One year