

Dbii Networks F33-PRO (3.3-3.5)/F36-PRO (3.6-3.8) is the world's 1st true integrated Lightning & ESD* protected band device with a robust radio frequency front end. It employs our patent pending architecture that integrates the protection for the Radio Frequency (RF) antenna port. Its high RF output power and best in class receive sensitivity and gain are designed with long distance outdoor wireless networks in mind.

**Lightning or Surge protection is different than ESD. Other manufacturers might claim both, but they only have ESD protection. Our PRO cards have both built-in.*

RF Port "Lightning" Protection (Built-in)

ESD Handling	Over 14kV*
Surge Handling	8/20uS (10kA)*

*The miniPCI card should be properly grounded with the supplied cable to achieve this level of protection.

Transmitter Characteristics (Tx)

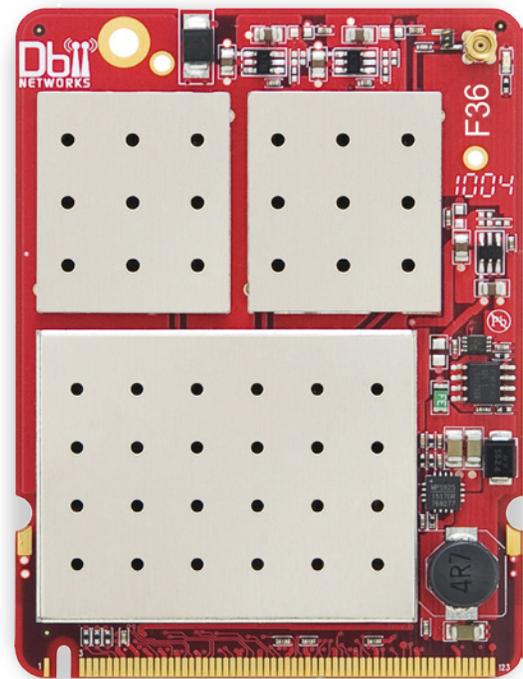
Data Rate	6Mbps	36Mbps	48Mbps	54 Mbps
RF Output Power	25 dBm	24 dBm	22 dBm	20dBm
DC Power consumption	4 Watts	3.7 Watts	3.1 Watts	2.8 Watts

Receiver Characteristics (Rx)

Data Rate	6Mbps	36Mbps	48Mbps	54 Mbps
RF Output Power	-94 dBm	-83 dBm	-77 dBm	-74dBm
DC Power consumption	1.0 Watts	1.0 Watts	1.0 Watts	1.0 Watts

Miscellaneous

RF connector	Single MMCX Plug
Dimensions	6 cm X 7.7 cm (2.1 inch X 3.0 inch)
Weight	20 grams (0.7 ounces)
Operational Temperature	-40C to +70C
Storage Temperature	-40C to +70C
Humidity	0% to 95% (non-condensing)
MAC chipset Atheros	AR5414 (6th Generation)
Channel width support	5MHz, 10MHz, 20MHz, 40MHz
Data Rates	1/2/5/11 (11b)
Included Accessories	15cm ground wire, 1 screw
Warranty	One Year Limited Warranty



Channel Support	Real Frequency	Driver Frequency	Channel Width
Channel A	3658	5765	5/10 mHz
Channel B	3663	5770	5/10/20 mHz
Channel C	3668	5775	5/10 mHz

*Difference between real frequency and the driver frequency is 2200MHz
Channels allowed in the U.S. is listed in the table above

Key Features

- Integrated ESD (14kV) + Lightning Surge Protection (10kA)
- Industrial best sensitivity (-94 dBm @ 6Mbps | -74 dBm @ 54Mbps)
- RF output power up to 25 dBm