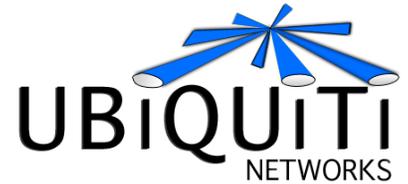
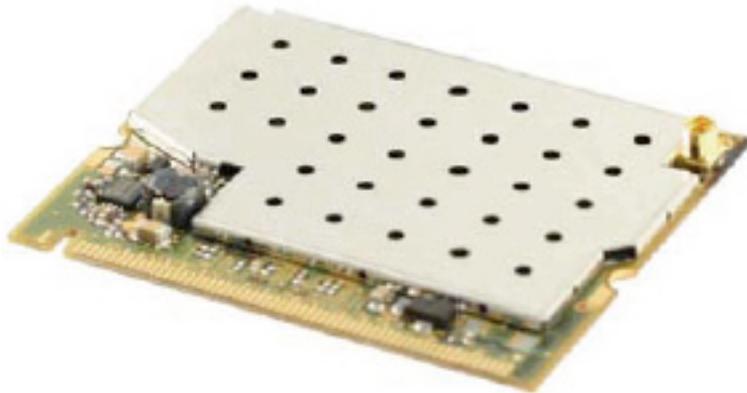


# Hardware Information Guide



*Super Range 4  
Public Safety 4.9Ghz Mini-PCI module*



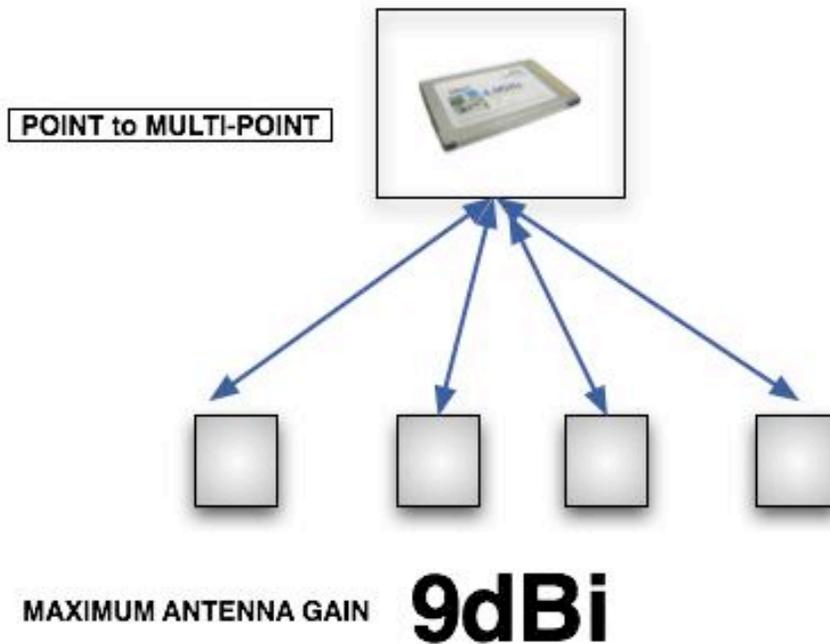
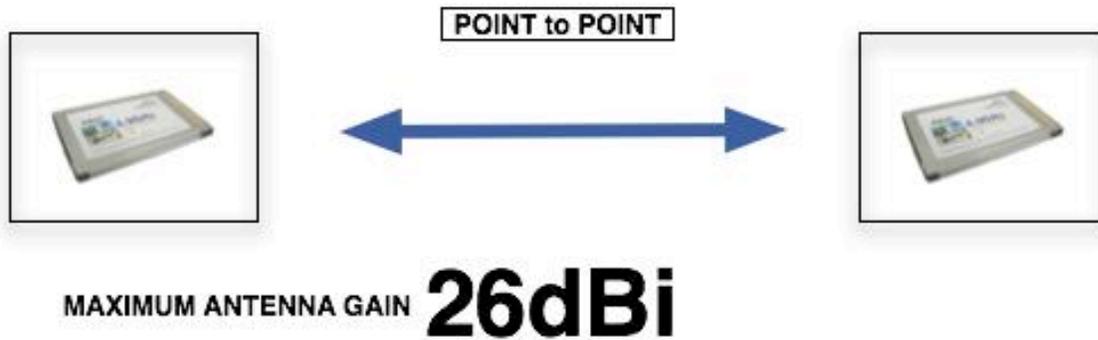
|  |                  |                                  |                  |
|--|------------------|----------------------------------|------------------|
|  <b>Chipset</b><br>AR5414 MAC/BB/RF |                  | <b>Transmit Power</b>            |                  |
| <b>Receive Sensitivity</b>   |                  | <b>Rate</b>                      | <b>Power</b>     |
| <b>Rate</b>  | <b>Level</b>     | 6-24 Mbps                        | 26 dBm, +/- 1dB  |
| 6 Mbps   | -94 dBm, +/- 2dB | 36 Mbps                          | 24 dBm, +/- 1dB  |
| 9 Mbps   | -93 dBm, +/- 2dB | 48 Mbps                          | 22 dBm, +/- 1dB  |
| 11 Mbps  | -92 dBm, +/- 2dB | 54 Mbps                          | 21 dBm, +/- 1dB  |
| 12 Mbps  | -91 dBm, +/- 2dB | <b>Current Consumption @3.3V</b> |                  |
| 18 Mbps  | -90 dBm, +/- 2dB | <b>Rate</b>                      | <b>Current</b>   |
| 24 Mbps  | -86 dBm, +/- 2dB | 6-24 Mbps                        | 1500mA, +/-100mA |
| 36 Mbps  | -83 dBm, +/- 2dB | 36 Mbps                          | 1100mA, +/-100mA |
| 48 Mbps  | -77 dBm, +/- 2dB | 48 Mbps                          | 900mA, +/-100mA  |
| 54 Mbps  | -74 dBm, +/- 2dB | 54 Mbps                          | 800mA, +/-100mA  |
|  |                  | Receive                          | 300mA, +/-100mA  |

*\*The above power table is based on average power. Maximum peak power is up to 28.6dBm*

*For more detailed information and software integration help,  
please contact [support@ubnt.com](mailto:support@ubnt.com)*

## ANTENNA LIMITATIONS:

*Please note that the SR4 certification covers limited antenna use.  
Please follow the guidelines below.*



*\*Note the RF Exposure guidelines on the following page must also be followed*

## Regulatory Information

## FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

The equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Consult the dealer or an experienced radio/TV technician for help

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## FCC Radiation Exposure Statement

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter

## CAUTION

- 1.) To comply with FCC RF exposure compliance requirements, a separation distance of at least **33.9cm** must be maintained between the user and antenna when the product is used with a 9dBi antenna. For point-to-point use with a 26dBi antenna, this distance must be increased to a user separation distance of **240cm**.
- 2.) This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter

# Limited End User Product Warranty

Pursuant to all provisions described herein, Ubiquiti Networks products are warranted for (1) year from the date of purchase against defects in the build materials and workmanship. Ubiquiti or its reseller shall use commercially reasonable efforts to promptly correct a nonconformity.

The above warranty is void if the alleged defect cannot be verified by Ubiquiti or if, as determined by Ubiquiti, the product failure was due to tampering, abuse, misuse, accident, shipping, handling, or storage; or if the product has been installed, used, or maintained in a manner not described in the product user manual, if the product has been altered in any way, or if product serialization has been altered. Any attempt to disassemble or repair the product by anyone other than Ubiquiti immediately voids this warranty.

This warranty applies only to the original End User purchaser of the product and may not be transferred to any other individual or entity.

By using the product, the original End User purchaser agrees to and is bound by these terms and conditions. In the event that a product fails to meet this warranty and Ubiquiti's authorized reseller is notified in writing of such failure within the warranty period, Ubiquiti shall, at its own discretion, either repair the product or replace it with the same or a functionally-equivalent product free of charge. Replacement products may contain refurbished materials in whole or in part. Ubiquiti will honor this warranty provided the product is returned through an authorized Ubiquiti reseller or dealer with shipping charges prepaid, along with a proof of purchase describing the original purchase date and product serial numbers if applicable. The authorized reseller must acquire a Return Materials Authorization (RMA) number from Ubiquiti prior to returning any product. Ubiquiti does not accept shipments of defective products without shipping charges prepaid.