



# rfid antennas

Tech Logic's RFID Antenna transmits power and data from and to the RFID tag. The antenna connects to a reader that communicates with the Tech Logic CircIT software to read and write information from and to the RFID tag.

## Tags

Tech Logic's RFID Antennas are compatible with most ISO compliant tags. Tech Logic uses 13.56 MHz ISO standard tags and writes the library's standard barcode number on the tag's chip. Your library can purchase tags directly from Tech Logic.

## Antenna Options

Tech Logic offers two antenna sizes. The single antenna reads up to eight items at a time. The dual antenna can read up to 16 items. Both versions include a cover, steel base plate, ferrite redirector, and coaxial cables. Covers can be either a Black ABS style cover or an LG HI-MACS® style cover. Contact Tech Logic for available HI-MACS color options.

## Base Options

The RFID Antenna is available with either a ferrite or plastic base. The ferrite material absorbs radio waves to read only items that are on top of the antenna area in a read range of up to 8 inches. The focused read area eliminates the reading of items that could be under the desk or alongside the antenna and allows the antenna to read near tags and metal.

The plastic base antenna is a less expensive option than the ferrite base and includes a read range of up to 12 inches high. To ensure proper reading of RFID tags, metal objects should be kept a minimum of 8 inches from the plastic base antenna and RFID tags should be stored a minimum of 18 inches from the antenna.

## Reader Connection

The reader connects to the PC using a USB interface. Two configurations are available: (1) reader with power supply and USB cable for single antenna configurations, or (2) reader and splitter with power supply and USB cable for dual antenna configurations.



[www.tech-logic.com](http://www.tech-logic.com)

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## Tech Logic Part Numbers:

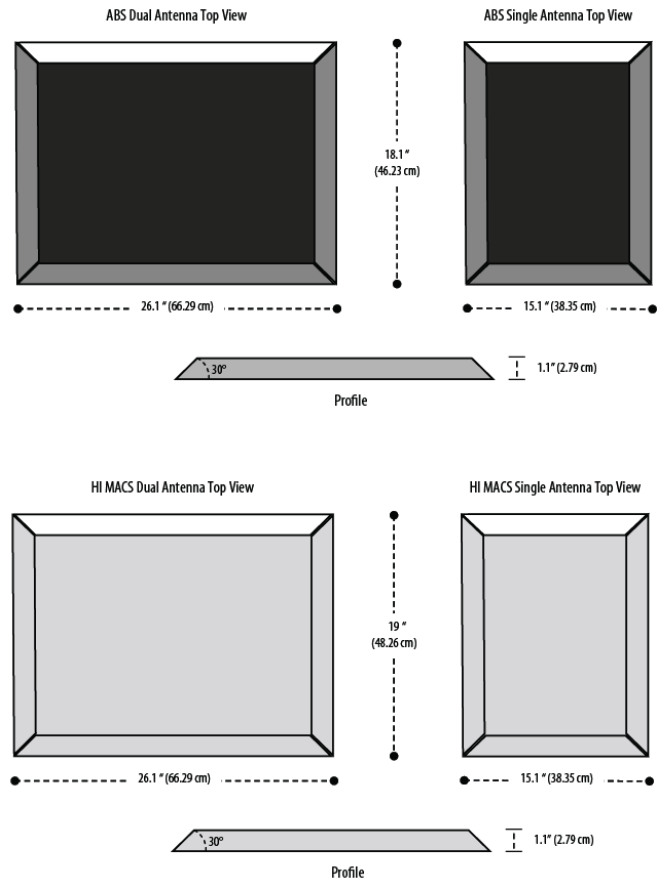
### Ferrite Base Antennas

45006872 Dual Antenna with reader, black ABS cover, ferrite base

45006871 Single Antenna with reader, black ABS cover, ferrite base

45006874 Dual Antenna with reader, HI-MACS cover, ferrite base

45006873 Single Antenna with reader, HI-MACS cover, ferrite base



\*\*Other configurations may be available. Contact Tech Logic for more information. Power requirements: 0.5 Amps, Requires a 110V power supply that is included. Network Connection: USB 2.0, cable included.

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