



Bluetooth™ Antennas

Wireless connections made easy.

As a member of the *Bluetooth* SIG, ARC Wireless Solutions, Inc.'s Antennas America Division leverages its embedded 2.45 GHz antenna experience to work very closely with other SIG members to meet their *Bluetooth* antenna needs -- on a very cost-effective OEM basis, as shown by the examples on this web page.

The *Bluetooth* wireless technology is set to revolutionize the personal connectivity market by providing freedom from wired connections. It is a specification for a small form-factor, low-cost radio solution providing links between mobile computers, mobile phones and other portable and handheld devices, and connectivity to the Internet. The *Bluetooth* Special Interest Group (SIG), comprised of leaders in the telecommunications, computing, and network industries, is driving development of the technology and bringing it to market. The *Bluetooth* SIG includes promoter companies 3Com, Ericsson, IBM, Intel, Lucent, Microsoft, Motorola, Nokia and Toshiba, and more than 2400 adopter companies.



The *Bluetooth* wireless technology supports both point-to-point and point-to-multipoint connections. Several piconets can be established and linked together ad hoc, and all devices in the same piconet are synchronized. The topology can best be described as a multiple piconet structure.

The *Bluetooth* wireless technology facilitates high-quality voice and data transmissions. It is designed to be fully functional even in very noisy radio frequency environments, and its voice transmissions are audible under severe conditions.

The *Bluetooth* wireless technology provides a transmission speed of 1Mbit/s and its aggregate capacity handles up to three voice channels simultaneously.

The *Bluetooth* wireless technology propels you into a new dimension in wireless communication. A world where all digital devices can talk spontaneously, where connectivity between computers, mobile phones and portables could be as simple as switching on the lights.

Our commitment to *Bluetooth* technology illustrates our strength in designing wireless solutions.

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