Business to the Max!

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FAQS

Q Can DES be broken?

A Yes, In 1998 the Electronic Frontier Foundation won the RSA DES Challenge II-2 contest by breaking DES in less than 3 days. EFF used a specially developed computer called the DES Cracker, which was developed for under $250,000. The encryption chip that powered the DES Cracker was capable of processing 88 billion keys per second. More recently, in early 1999, Distributed. Net used the DES Cracker and a worldwide network of nearly 100,000 PCs to win the RSA DES Challenge III in a record breaking 22 hours and 15 minutes. The DES Cracker and PCs combined were testing 245 billion keys per second when the correct key was found. In addition, it has been shown that for a cost of one million dollars a dedicated hardware device can be built that can search all possible DES keys in about 3.5 hours. This just serves to illustrate that any organization with moderate resources can break through DES with very little effort these days.

Security - What's on everyone's mind.

Non-Standard

Most wireless products on the market today use 802.11x standard to pass data back and forth over the air. This is done straight forward from the spec sheet. The spec sheet states how the data will be sent, how it will connect, how it will communicate. It is like an instruction manual for a hacker on how to break into your system. Canopy was develop from the 802.11x standard but only as a reference. There are no tools setting around for the hacker to use. Because of the separation of the standard it provides little means for a hacker to get to your data.

DES Encryption

DES - Data Encryption Standard. Canopy utilizes DES to encrypt all over-the-air data on the fly. That means that each packet of your precious data sent and received by the Canopy antenna is DES encrypted. Now that's security!

FSK - Phase Shift Keying

Canopy FSK - "Phase Shift Keying" to guard against inference and noise. This also means as every packet is transmitted and received it's data phase is being shifted. This not only makes it harder to track and identify it also provide a better quality of signal.

The only way to be more secure is not to get on the internet! Check with your B2X representative to find out how we can connect your business.