



## USB2 Interface for Atribank: The Ideal Interface

The USB 2.0 interface provides a theoretical speed of 480,000,000 bits per second. A typical uncompressed phone conversation uses about 64,000 bits per second per direction, plus some overhead; in total less than 200,000 bits per second per phone call is used.

Thus, the theoretical concurrent number of conversations that the USB 2.0 interface can handle is 480,000,000 divided by 200,000: roughly 2,400 calls for a single USB 2.0 port.

This is a theoretical number, of course, and the typical host processor will not be able to handle this amount of concurrent calls, but it gives a clear answer to the question: *"Can the USB port support heavy telephony traffic with multiple Atribanks?"*

Connecting multiple Atribank units to a single USB 2.0 port is easy: simply use a USB 2.0 Hub to connect many Atribank units.

For more information about this application and or Xorcom products in general, please contact us using the details below.

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