

The Device block diagram is as follows.

The synthesizer, is driven by a 12 MHz TCXO which is multiplied up to 2.4-2.48 GHz. The synthesizer is controlled by a microcontroller with a 32 KHz external oscillator and an internal 0-16MHz adjustable oscillator. Wake up circuits connect directly to the microcontroller. The Indicators are driven by microcontroller pins. The entire device is driven by power from the PC usb port. All wired communications are through the USB interface which is USB 2.0 compliant but only operates at the full speed of 12 Mbit.

