Qmini is a GIS data collector with Bluetooth communication module, the master control chip is ARM 9 CPU with an 533MHz operation frequency, and it is wireless communication between the external terminal through Bluetooth wireless transmission technology, and it is connected to PC through USB port.

For the Bluetooth module, the transmission data modulated the CPU(DSP which gets a digital modulation then passing through the CPU, working with 60MHz crystal for producing a signal to the RF module circuit carrying wave amplified by the amplifier and filter circuit unit, through the antenna then transmit out as 2402MHz to 2480MHz

1. DSP is the main functional control center, working with 60MHz crystal, deal with function control and other indication.
2. Tine frequency is a multiplied frequency to produce an extract HF signal.
3. RF module is used for producing digital modulation FHSS, GFSK type.
4. The s GIS data collector collects the data by the receiver module and save in the FLASH, and then users can downloading the data by USB port.