

Technical Description

The brief circuit description is listed as below:

- 1) U1 acts as Voltage Regulator (LC1206).**
- 2) U2 acts as MCU (BT16P380).**
- 3) U3 acts as charging unit (PE6065)**
- 4) M1 acts as 2.4GHz RF transceiver module (BT16P380_Module).**
- 5) Y1 is 12MHz crystal oscillator providing clock for M1.**
- 6) VR1 and VR2 act as motion driver.**
- 7) J1 acts as Micro USB Socket.**
- 8) P1 acts as Charging Plug.**

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 94.6dB μ V/m at 3m

Maximum allowed field strength of production tolerance: +/- 3dB