

Technical Description

The brief circuit description is listed as below:

- 1) U1 acts as MCU (PMC234-28).
- 2) U2 acts as Voltage Regulator (LC1218SOT89 3.3V).
- 3) U4 acts as charging unit (PE6065).
- 4) U5 acts as DC-to-DC step-down switching regulator (ETA1483).
- 5) M1 acts as 2.4GHz RF transceiver module (XN297).
- 6) Y1 acts as 16MHz crystal oscillator providing clock for M1.

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Nominal rated field strength: 93.9dB μ V/m at 3m

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