

Circuit Description:

This products operation Frequency range ISM 902~928MHZ (FCC).Communication ports RS232; RS485 (Syris485), Wiegand26/34 Software Programmable

U7 (NXP LPC2132), it is a master control unit of the product. With 20MHz clock signal as base clock. It can control PLL operate on Frequency 902-928MHz. It send ASK Data to RF modulation switch transistor E4 .the product output power level adjustable by software ,it receive the demodulation RF signal . it with a RS232 COM port connect to the computer. It also with a SDRAM memory (U8 CAT1025).

Q4 and Q5 is demodulation diode. It cans demodulation the RF signal.

U11 (MAX483) and U10 (SP3232EEY) is a communication IC.

Power Supply:

RF Module (U12) and PLL&VCO work voltage is 5V, Provided by U5 (Output 5V LDO. input 6.5V 3A DC).

CPU work voltage of the product is 3.3V.