

PP-SITRANS1/W204-H Circuit Description

MCU EM78P458N

It is the main control unit which communicates with USB IC to get weather data thru PA1, PB0, PB1 and transfer the weather data to the RF unit thru P64 for 433Mhz RF transmission.

USB IC MTP1002M

USB IC communicates with PC software by USB protocol thru USB socket and transfer data to MCU thru PA1, PB0, PB1. PC software gets the Internet weather data from Internet and then send to USB IC thru USB port.

LED indicator

When MCU transmit 433MHz weather data thru RF board, LED indicator will turn on during transmission controlled by MCU thru P55.

Tx key

When Tx key pressed, weather data stored in MCU will transmit once thru RF Tx board.

RF Tx board

After MCU received the weather data from PC thru USB IC, it will transmit the data to RF Tx board thru P64. Then the data will transmit to receiver unit thru 433MHz RF by it.