

Circuit Description

The CPU JZ4740(U1) unit include Y1, U4, U2、U3. The Y1 is 32.768 kHz crystal, is provides the clock for the CPU. The U2 and U3 is memory of SDRAM type, store and run program of CPU. The U4 is a kind of memory of NAND flash. It store program and not lost when power down.

The C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13 is filter for CPU power supply.

The U12 is connector to the third party RF module. With connector include power supply and standard RS-232 port. The port is for CPU communicates to RF module.

The Q7 is a control transistor to control RF module power supply. If the user program is running, the Q7 should work. Otherwise when user program is in sleep mode, the Q7 will shut down the power supply of RF module.

The RF module is supplied with third part. It works on 416MHz.

RF connection

TL-1000R or TL-1000RW has radio frequency control mode and must be used together with TL-1000DR or TL-1000DRT. The RF frequency range is near 416MHz. It's a kind of common frequency range micro-power wireless mode. The wireless control

is bidirectional control.

Configure TL-1000R or TL-1000RW with the assorted integrated development software "Vision Master" (referred to as VM) and "Logic Master" (referred to as LM) software in WINDOWS environment. Set frequency range and address in "Device setup" menu dialog box. Drag RF channel to the corresponding wireless port in "Device view" in wireless touch panel's LM program. This port number represents the target address, namely the wireless transceiver address that communicates with it.

Configure charging on cradle TL-1000DR or TL-1000DRT that has wireless transceiver function with integrated development software RFX configuration tool in WINDOWS environment.

After connecting the RFX configuration tool, you can configure the frequency range (physical frequency), local host address, destination address (the address of touch panel) and the baud rate (external). To make two-way communication, the configuration of wireless transceiver and wireless touch panel must be the same to the frequency range and the addresses correspond with each other.

The Transmitter Transmitting Time Not More Than 5 Seconds