

Circuit Description

This passage is mainly on how TXV2428 wireless A/V transmitter works and is divided into two parts:

The first part is on 2.4GHz A/V transmission: There are two kinds of signals input of TXV2428, one is AV signal from VGA signal that is output from PC and encoded by VX1937. The other is AV signal from external signal source. The two kinds of signals are transmitted to 2.4GHz transmitting module to demodulate via CD4053 controlled by MCU EM78M611 and then emitted. (If it is in the same time, you can only select one kind of signal.)

The second part is 433MHz ASK signal receiving: when ASK signal is received by 433MHz receiving module of TXV2428, it will be directly transmitted to MCU EM78M611 to recognize whether it is PS/2 mouse signal or remote control signal from signal source. If it is PS/2 signal, it will be decoded into USB data and transmitted to the mouse controlled by PC. If it is IR remote data, it will be decoded into IR signal and transmitted to IR emitting tube.