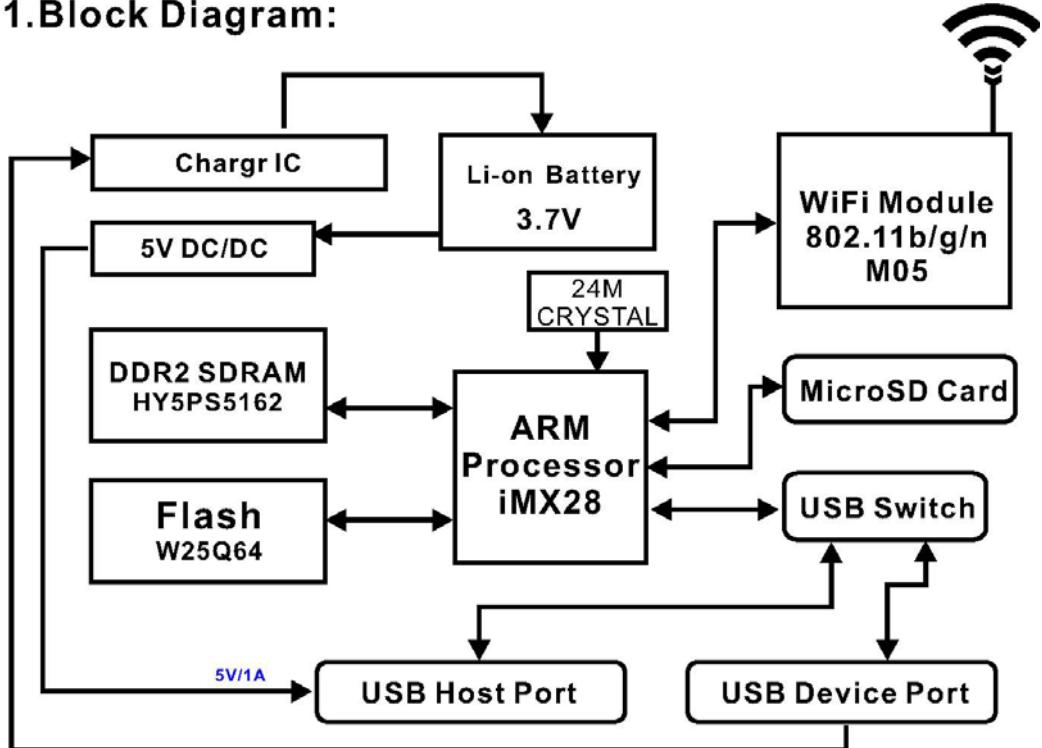


CloudFTP

1. Block Diagram:



2. Description

Flash (W25Q64) is used to store software code. DDR2(HY5PS5162) is used to provide RAM space when system is running. WiFi Module(M05) is used to send and receive WiFi data package. Processor(iMX28) is system core. It's driven by a 24M crystal. A internal MicroSD card provides optional storage space for the end user. USB Host Port is used to transmit data between processor and USB devices. A USB device port is used to access internal MicroSD card and charge battery.

After power up, processor will load software from Flash to DDR2. Then, processor monitor WiFi module to receive wireless network request. Once a wireless network request was received, processor will transmit data between USB device and WiFi module.

The specifications:

Operation Frequency:

2412MHz~2462MHz (802.11b/802.11g/802.11n(H20))

2422MHz~2452MHz (802.11n(H40))

Modulation technology:

802.11b: CCK,QPSK,BPSK, 802.11g/n:OFDM

Antenna Type: PCB Antenna

maximum output power:

11b:18±1.0dBm;11g:16±1dB,

802.11n:(HT20): 16±1dB ,802.11n:(HT40): 15±1dB

channel number:

11 for 802.11b/802.11g/802.11n(H20) ,7 for 802.11n(H40)

antenna gain: 0dBi

Channel separation: 5MHz