

Model No.: MI1166R

Operational description

Power supply:

The different supply voltages are made by a Power Management Unit (PMU), from the embedded battery, and the normal battery voltage is 3.7V.

Battery charger: Controls charge current and voltage for the Lithium Polymer battery, The supply voltage is made by the AC adapter with DC 5V.

CPU: 3735f

This is the System-On-Chip processor and DDR.

Data storage is done on a flash memory.

There is an interface for an external microSD card.

There is an interface with the built in camera.

WiFi used the FN-LINK /MT8723module, antenna is an internal antenna, not intergraded on the PCB and the antenna gain is 2dBi.

Also only use an antenna with SISO function.

For WIFI mode: According to IEEE 802.11 b/g/n standards.

Operational frequency range is 2412 to 2462MHz/2422 to2452MHz,

With DSSS and OFDM modulation,

Max rate are 11Mbps (802.11b), 54Mbps (802.11g) and 65Mbps (802.11n).

Conducted output power are 15.79dBm (802.11b), 16.77dBm(802.11g) , 16.36dBm(802.11n20) and 18.5 dBm(802.11N40).

The WiFi mode supports communication data only.

For Bluetooth, the frequency range is 2402-2480Mhz, with modulation of GFSK, pi/4 DQPSK, 8DPSK.

The audio codec is connected directly to the CPU

The TSP controller is combined on the TSP, and connected directly to the CPU