
Template of Product Description

The equipment MW10Q15 is a [Tablet PC](#). It supports [Wifi \(802.11 b/g/n\) \(2422MHz~2462MHz\)](#) and [BT 4.0](#) functions, no GPS. Besides. The EUT is powered by a 3.7Vdc rechargeable Li-ion battery which can be charged by an AC/DC adapter with input of AC 100-240V, 50/60Hz, 600mA and output of DC 5.0V, 2.5A. The EUT is equipped with a dedicated USB port that can connect to ancillary equipments supplied by the manufacturer, such as the USB adapter cable. Also equipped with a 3.5 mm headphone that can connect to earphone.

1) Minimal System

U1000 (SOC) is CPU, Control the work of the various parts of machine

U1000A is DDR, mainly responsible for the data cache

U3501A is eMMC, Primarily responsible for program files and data storage

2) Audio

Audio codec is integrated in CPU, Audio signal be decoded and Zoom handling, then through Speaker or Earphone output; Supports MIC recording

3) USB

It is provide a OTG/HOST USB port, The EUT can communication to the computer though USB port, and USB device can communication to the EUT also.

4) DISPLAY

LCD_CON1 is the LCD connector, LCD is connected to the connector by the Display interface cable.

5) TF CARD

J3501 is SD Card connector, The TF card base, can store data via TF card

6) Power supply:

DC 5V powered by DC adaptor or DC 3.7V powered by Lion Battery. Power is converted through the PMU (AXP288C) and other DC-DC/LDO. After power supply IC proceed voltage converted, the power supply to the machine; at the same time DC 5V power supply can provide battery charging.

7) Others

U6206 is Wifi & BT module

There is no simultaneous transmissions between the WiFi and Bluetooth;

Antenna: Integral antenna, FPC type, with Gain 3.64dBi;

BT/Wifi module crystals 26MHz;

26 MHz is the reference frequency, it is turned on when WIF I/BT module is applied.

Y1000 (32MHz) and Y1001 (32.768KHz) crystal oscillator drives the base of SOC.