

# Specification & Circuit Description

Rev 3.0

## SW-I10-03

### Processor/Memory and Chipset

- CPU : Intel Atom D425 Processor , Support DDR3 800
- Chipset: NM10

### Display

- Intel GMA X3150/LVDS/1366\*768

### System Memory

- One SO-DIMM slot support up to 2GB

### Storage

- 2.5" SATAII HDD
- 3 in 1 Card reader: SD/MMC/MS/MS Pro

### Keyboard and Pointing Device

- Support normal Keyboard
- Integrated Touchpad
- Left key/ Right key

### I/O Ports

- VGA port: One 15-pin VGA Port
- Audio port: 2 Jack(Line\_out /Mic\_in)
- LAN port: 1 RJ45 Port
- USB port: 2 USB2.0 Ports
- Card reader: SD/MMC/MS/MS Pro
- Power port: One DC-In Port

### Power System

- AC 110~240V, DC 19V @ 40W AC Adapter
- Normal Battery 7Pin

### Power Management

- ACPI V2.0
- S0, S3, S4, S5 support

### Slot

- 1 Mini PCI-E for Wifi

### Switch Control

- Power On/Off Switch

### Feature

- Wireless LAN: one Mini PCI-E interface, 1 Antenna, Support 802.11 b/g/n
- Audio: HD Audio, Built-In 2 speakers and 1 Microphone

## Circuit Description

1. The U4-D425 chip is master micro controller, the oscillator component X1 generated a frequency of 14.318MHz as base clock frequency, the D425 is a center processing unit which the master frequency of running speed is 1.8GHz, with 800MHz DDR and 2GB system memory, , one USB port for USB disk and one mini USB port for connect to PC etc.
2. The IC-RT5390 is a wireless communication IC base on 802.11b/g/n WIFI wireless technology, the 40MHz clock frequency input to RT5390 as base clock frequency, and use the high-frequency from 2412MHz to 2462MHz as carrier frequency, the transmission rate up to 150Mbps.
3. The work voltage is DC 11.1V, supply by battery, with a DC 19V power adaptor.