S40 Operational Description

The product is a Smart Mobile Terminal, It powered by Li-ion battery. There are 3 keys for Power Key and volume control. The Smart Mobile Terminal Built in Z400-H intelligent module . Type C interface, supporting charging and peripheral connection，leds are used as charging display, one SIM card holder and one TF card holder respectively. It supports non connected card reading, camera identification QR code, photographing, and micro thermal printer core to print bill information.

1.Z400-H   intelligent module integrates baseband, EMCP, PMU, transmitter, PA and other core devices, supports FDD / TDD-LTE, WCDMA, GSM long-distance communication modes and Wi-Fi / BT short-range wireless transmission technology, and supports GNSS wireless positioning technology. The module is embedded in the open Android operating system and supports Mipi / USB / UART / SPI / I2C and other interfaces.

2.FM17550 is a highly integrated and ultra-low power contactless card reader / writer chip in accordance with emv2.6 protocol. It supports all layer applications of ISO / iec14443 type A / Mifare and type B. It can flexibly realize various contactless card applications by using extremely simplified peripheral circuits.

3.23P552 is a CSP camera module, integrated with a 1.12um x 1.12um pixel size GC5035 CMOS image sensor . The GC5035 is a 1/5 inch 5MP CMOS image sensor,with active pixel array of 2592H x 1944V.The active pixels are read out progressively through column/row driver circuits. In order to reduce fixed pattern noise, CDS circuits are adopted. The analog signal is transferred to digital signal by 10 bit A/D coverter. The digital signals are processed in the ISP Block, including Bayer interpolation, denoise, color correction, gamma correction, data format conversion and so on. Users can easily control these functions via two-wire serial interface bus.

4. The appearance of pt48d is small and convenient for portable application. The size is 67.3mm (L) * 18.25mm (W) * 31.9mm (H), high-density print head, 8 points / mm. Compared with the needle, it can print more accurately and clearly. According to different driving energy and different thermal sensitivity of thermal paper used, different printing speeds can be set according to user requirements, Up to 90 mm / S printing speed.

5.A Lithum batterry supply the power,the batterry capacity is 2600mAh,and charging Voltage is 8.4V.

6.MP2672 is a wide input range, high efficiency, synchronous 2-cell series Li-Ion battery cell boost charger.It accepts input from 2.7V to 7V and is capable of delivering up to 2.5A charge current to two stacked Li-Ion batteries.