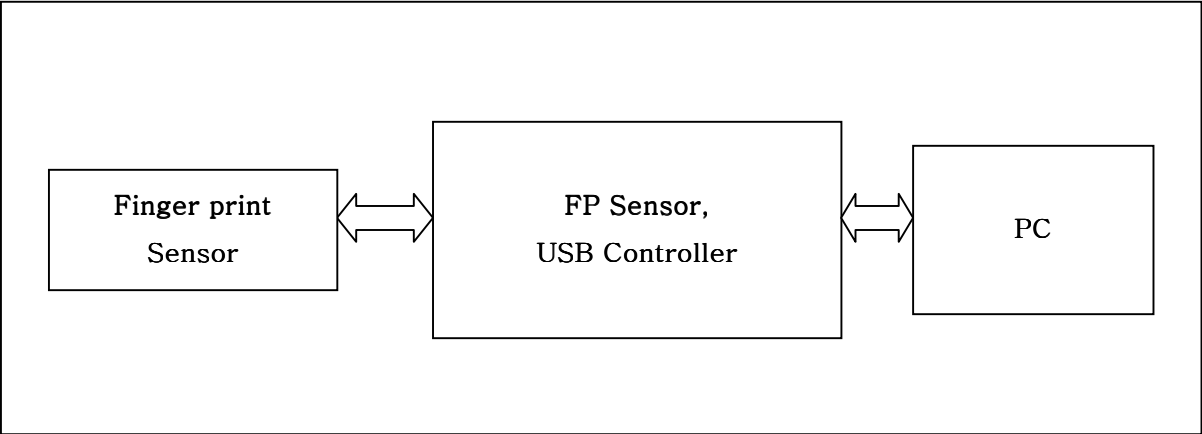
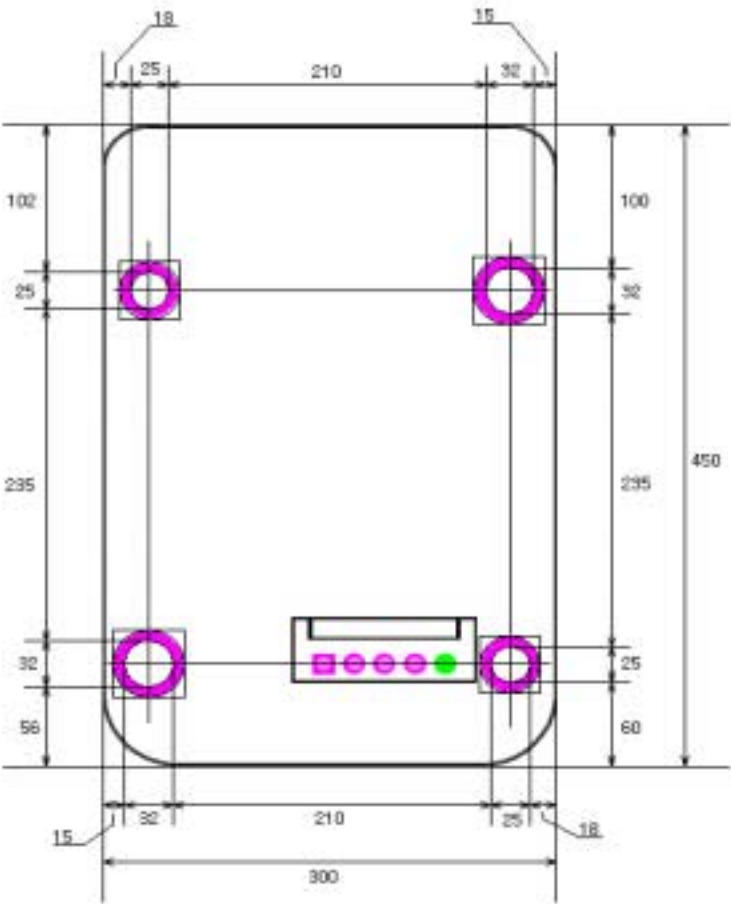


FP1000 PC BASE MODULE

■ BLOCK DIAGRAM



■ View of PCB Layout



PCB Layout

■ USB connector

- ▶ 1. VCC
- ▶ 2. USBD-
- ▶ 3. USBD+
- ▶ 4. GND
- ▶ 5. FGND

FP3000 Finger print mouse

■ PRODUCTION MAKE-UP

- ▶ Finger print sensor
- ▶ FP1000 module PCB
- ▶ MSMOUSE relation mouse PCB
- ▶ USB, PS2 cable (1.5m)
- ▶ MOUSE CASE
- ▶ Device Driver

■ FUNTION

- ▶ WHEEL & WHEEL Button FUNTION

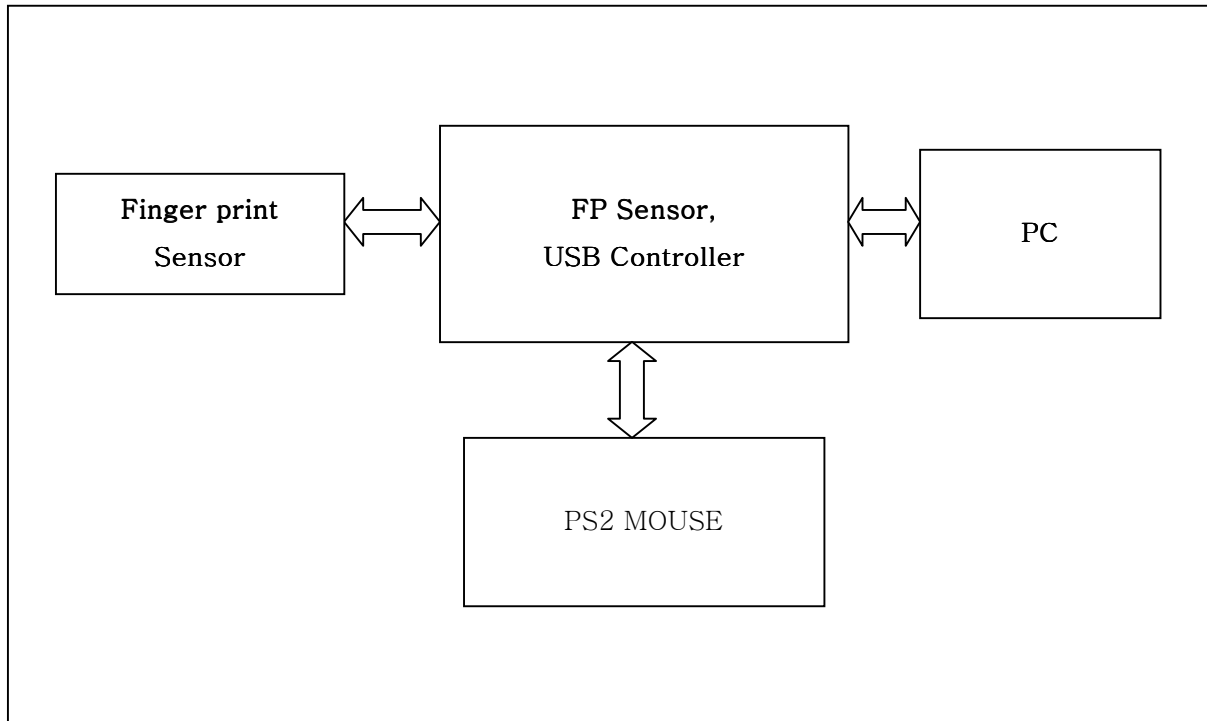
■ INTERFACE SPEC

- ▶ USB (Universal System Bus)
- ▶ PS/2 Mouse

■ S/W

- ▶ FP3000 Magic Secure 2.0

■ BLOCK DIAGRAM



■ PRODUCTION APPEARANCE



■ Finger Print Sensor Spec

- ▶ 18.2mm x 12.8mm active sensor surface.
- ▶ 256x360 sensor array format.
- ▶ 50-micron square pixel (508DPI)
- ▶ Ultra-hard protective coating.
- ▶ 15 frames per second capture rate
- ▶ 8 bit Microprocessor (RAM) Interface.
- ▶ Chip-on board module package.
- ▶ Integrated A/D converter.
- ▶ 5V Operation
- ▶ Less then 20mA nom. Supply current @5V
- ▶ Built in ESD protective circuit

■ PS2 MOUSE Spec

- ▶ Using 51K resistor for RC oscillation.
- ▶ Compatible with legacy PS/2 mouse.
- ▶ Compatible with Microsoft scrolling mouse.
- ▶ Built in noise immunity circuit.
- ▶ Built in current comparator for photo-couples input.
- ▶ Built in three step dynamic input impedance.
- ▶ Three key-switches and four photo-couples input.
- ▶ Both key-press and key-release debounce interval 12ms.
- ▶ The sampling rate of motion detector is about 65KHz.
- ▶ Low port dissipation.