DESCRIPTION

1) ARM9 Processor and Linux system are used as central part of this system.
2) Bluetooth modules is designed independently, in order increase the convenient of debug and maintain.
3) Provide the 10M/100M self-adaptable network interface in order to increase the convenient of software updating and system data processing.
4) Simple LED Indicator.

Critical components

1) The model of the used processor is S3C2440, and it can provide a processing capability of 400M.
2) The model of the used HUB of 720114 which made by NEC, and it can provide a full speed downstream interface and a full speed uplink interface.
3) Use the BCM2045 model Chip to provide the bluetooth interface.
4) Use the DM9000A to realize the network interface.

Modules description

1) There is a central board which integrated the ARM9 processor, byte of 128M-1G NAND flash chip, byte of 64M SDRAM chip and byte of 10M/100M self-adaptable network chip DM9000A. Linux+bluez+openobex software as a basical system software will be run in it.
2) Lower board is integrated the HUB, power supply(LM2596 or others), network interface, LED indicator and bluetooth module.