School of Electrical and Electronic Engineering

Network Technology Research Centre
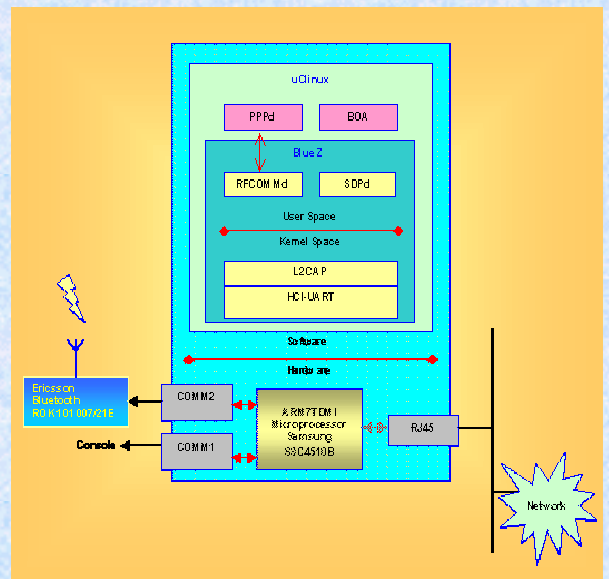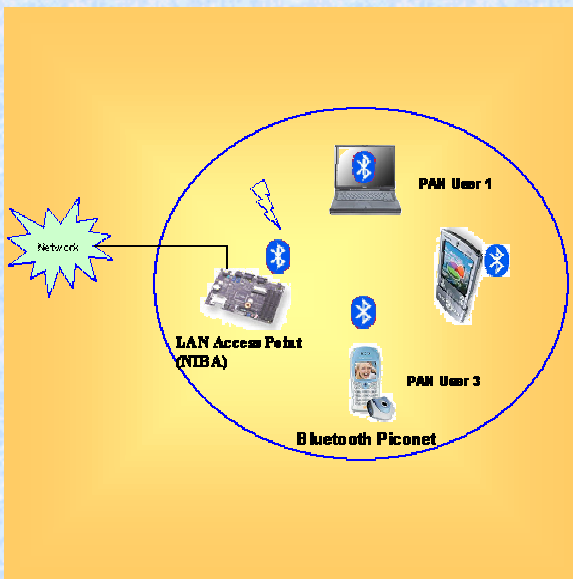
Bluetooth Pavilion

B5077 Bluetooth LAN Access

PROJECT OBJECTIVE:

This project intends to develop a Bluetooth LAN Access point, the bridge to the missing link between devices using Bluetooth wireless technology and the Internet. It will provide a simple and secure means for accessing network services based on the Internet Protocol (IP). This project is sponsored by Ifoundry System Singapore Pte Ltd.

FEATURES:

- CPU based on Samsung S3C4510B 16/32 bit RISC microprocessor (ARM7TDMI)

- Development platform based on NIBA of AIJI System, Korea

- Operating system running on µClinux kernel 2.4.18

- Bluetooth protocol stack based on BlueZ 2.0

- Software features TCP/IP stack, NFS, HTTP, DHCP and PPP

- Embedded web server application based on BOA

Industry Supervisor: Mr. Alvin Low   NTU Supervisors: A/P Soong Boon Hee   Project Members: Yee Fong Huat

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