

Re: Help on our final year project– please reply quickly

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- *From:* borkhuis@xxxxxxxx
 - *Date:* 19 Feb 2007 23:19:30 –0800
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nasif4003@xxxxxxxx wrote:

Hi ,

We are developing a project under our university course. We developed a web site & we want to deploy the updates of that websites to our client.

To deploy updates we provide hand held embedded device to clients. We assume that all our clients are within 1.5 km range.

Currently we have an ebox2300. We think that we use this device to receive updates from website through GSM network (mobile phone network)& then updates will be deployed to hand held devices through WI-FI network. That is, ebox 2300 is connected to GSM network & local WI-FI network . We want to know whether doing all these is possible using ebox and if not what changes need to be made to ebox?

Which IEEE standard for WI FI can we use to cover range of 1.5km ?Is it possible to use IEEE802.11 b for this?

What type of WI FI transceiver can be used for Hand Held end device here?

Remember that cost is a great factor in this project.

It is possible with standard WiFi equipment, as long as you are able to use directional antennas and line-of sight links. This mechanism is used in so-called outdoor routers.

If you need 360 degrees coverage, you could use 3 or 4 access points or routers at the central station, each covering 1/3 or 1/4 of the area. The clients should be using directional antennas.

Not really a hand-held solution, but if your clients are within a certain area, you could have a WiFi repeater with the directional antenna on one end and a normal antenna on the other end.

Regards,
Johan

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