

PORTABLE AUTOMATED PBX SYSTEM

A Dissertation submitted to the
Computer Science and Technology Degree Program,
Uva Wellassa University, Sri Lanka
for the partial fulfillment of the requirement of the award of the Degree of
Bachelor of Science in Computer Science and Technology.

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October 2013

Abstract

Since the phone calls are made over the Internet Protocol, the base price for Voice over Internet Protocol (VoIP) is often less than that of traditional phone lines. VoIP is adding new dimensions and altering business communications in a big way. Succinctly stated, VoIP converts analog voice signals into digital data packets to facilitate two-way transmission of conversations in real time.

But most equipment used to implement a VoIP network is costly. Therefore customer needs to spend more than Rs. 130,000 for a high branded Private Branch Exchange (PBX) system.[1]

Basically, latest routers (Ex: CISCO) consist of 512MB of Random Access Memory (RAM), 1.67-GHz of Processor, 64 MB of Flash memory and 2MB of Non-Volatile Random Access Memory (NVRAM).

When considering the above features with a modern PC, that are substantially less than the features of a Modern PC. So if there is a method to use router's Operating System and applications in a Modern PC, it will be caused to gain more power than from basic call routing system.

VoIP networks consist of IP phones. But it is more costly. People might have charged more than Rs. 50,000 per unit.[2] If domestic Analog phones are used it may reduce the initial cost. And there should be a method to convert an Analog signal to a Digital Signal. It will be addressed by an Analog Telephone Adapter (ATA) with low cost.

As a result of that mobility platform has taken in to the account, ultimately people used to seek mobility from their work place, University, home and anywhere they peregrinate. USB flash memory chips have been able to conquer data travelling monarchy. This system implemented using USB 3.0.

This research project aimed to develop a Portable Automated PBX system which has overcome above mentioned portability, mobility for low cost call in Local Area Network (LAN).