Technical Specification

TECHNICAL SPECIFICATIONS EPBX

1. The Mobile EPABX system should be fully digital using PCM-TDM switching technique, VoIP ready and should work on 48 volt DC power supply.

2. The EPABX System should have Flash Card for Data Storage.

3. The EPABX shall support IP connectivity with feature transparency between two systems networked along with LAN-to-LAN links on TCP-IP using the IP network.

4. The EPABX system should have duplication of CPU, Power supply and control cards.

5. The EPABX should support Integrated Wireless (DECT) solution and no physical extensions Digital / Analogue should be used for DECT applications.

6. The EPABX System, Wireless Handsets and DECT Base Station should be of same make.
The exchange must have DECT support within skin DECT Module and subscriber handset based on DECT technology supporting GAP Standard.

7. The EPABX Should support ISDN both PRI & BRI.

8. The EPABX Should be capable for Internal Video Conferencing.

9. The EPABX should support the Windows / GUI based Programming on PC.

10. The main CPU of the system should be of RISC Based min 32 bits or Higher.

11. The system should support all type of available connectivity like Analog Trunk / LD / E&M / ISDN BRI / PRI/ E1 and IP.

12. The system should have inbuilt auto attendant facility for incoming calls.

13. The EPABX Should work with any type of public exchange or similar network to which it is connected/interfaced without requiring any modification in the networks. It should be possible to network different exchanges of different make/technology using either ISDN PRI/E-1, lines, analog trunks, IP Trunks, etc.

14. The EPABX should have integrated remote maintenance facility.

15. The EPABX Should support Roaming and Handover (i.e. the call is not disconnected when the mobile phone (DECT) user moves from one base station (Cell) to another line station (Cell).

16. The EPABX Should support System to System networking over IP should be possible. The system should be able use the existing IP network to get connected to a similar system at other location with complete feature transparency between both the systems. As in voice call between both the systems does not take more than 20Kbps of bandwidth on the IP network.

17. The EPABX should support at least 20 Base stations and 100 DECT subscribers.

19. The EPABX should conform to DECT and GAP standards.

20. The WLL Exchange should support Wi-LAN based IP cordless extensions support. The Wi-LAN Phones, Access Points and offered exchange should be of same make.

21. The DECT Base Stations, DECT Hand set and offered exchange should be of same make.

TECHNICAL SPECIFICATIONS OF DECT base Station

1. Should be able to be connected to the DECT interface card in the exchange on Copper/ LAN/ Cable.

3. Should be able to support Min 08 voice channels on each BaseStation

3. Should work in a temperature range of 0 C to+50C

4. Radiation pattern can be either Omni directional or Directional.

5. Operation of WLL exchange shall be in 1860-1900MHz band

6. Should Support P o E

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TECHNICALSPECIFICATIONSOFDECTHandSet:

1. Hand set lock via PIN should be there in a Mobile Handset (DECT)
2. Mobile Handset (DECT) should be illuminated graphic colour display with 176x220 pixels, 256K, Contrast Setting, Color Scheme setting & Light Setting.
3. Mobile Handset (DECT) should have hand set phonebook for minimum 100 contacts & system phonebook support.
4. Mobile Handset (DECT) should have 5wayNavigationkey.
5. Mobile Handset (DECT) should have Feature keys Miscall indication, Vibration, LED indication etc..
6. Mobile Handset (DECT) should have Redial facility.
7. Mobile Handset (DECT) should be full duplex hands free
8. Battery should have min 15 hour talk time and 180 hour standby time capacity.

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