EPABX Trainer is a Microprocessor based system designed to help the students to understand the basic concept and working of a Telephone Exchange. All the components are mounted on a single PCB in functional blocks and have various Test points to monitor all kinds of telephonic signals.

Features

· Non-Blocking type tone dialling,
· Distinctive Ringing,
· DTMF/ Pulse Dialing, Music on hold,
· Line Status Indication on the Exchange,
· Executive Telephone with special features,
· Control methods,
· Abbreviated Dialing,
· Automatic Call Back,
· Barge-in-with/ without tone,
· Call camp-on, Call Parking,
· Call Pick-up, Call Restriction,
· Call transfer,
· Call Forwarding,
· Follow me,
· Conference 4-Party,
· Direct outward dialing,
· Do not Disturb,
· Extension Privacy,
· Extension to Extension Call,
· Hotline on Extension,
· Hunting Group,
· Last Number Redial,
· Selective Trunk Line Access,
· Simultaneous Ringing,
· Wake up Alarm/ Reminder Call.

Specification

· **No. of Subscribers** : Two DOT Lines, Four Extension Lines
· **Line Section** : Opto Isolation for Trunk Lines and 4 Extension Lines.
· **Tone Generation** : Dial Tone, Busy Tone, Ring Back Tone, Hold-on music etc.
· **CPU Section** : 89E516RD Microcontroller based stored program control.

· **Memory** : 72KB Program memory, 1KB RAM.
· **Speech Path** : Fully Non-Blocking.
· **Loop Resistance**
  - **Extension** : 600 Ohms.
  - **Co-line** : 1200 Ohms.
· **Cross Talk Attenuator** : >70dBm.
· **Idle Channel Voice** : >70 dBm.
· **Insertion Loss** : Extension to Extension not Less than 60 dBm. Extension to DOT Line not Less than 60 dBm.
· **Dial Pulse Ratio** : 10pps +/-,10%
· **Input Power** : 230V AC, 50Hz.
· **Longitudinal Balance** : 60dBm.
· **Switch Faults** : 8 Switch Faults are provided on board to study different effects on circuit.
· **Test Points** : 46 Nos.
· **Power Requirement** : +11V, +23V, +5V, +15V.

Optional

· Telephone set : 4 Nos.

Note: Specifications are subject to change.