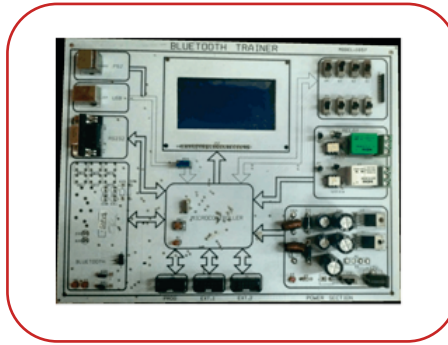


Bluetooth Application Training System

(MODEL:-ATM WL 002)



Introduction

- This is designed for students / Researchers to understand the Basics / Advancements of bluetooth Communication system.

Technical Specification

- Based on microcontroller AVR.
- On Board GLCD(128x64).
- On Board programming connector.
- Extra I/O extension for project work.
- On board Relay for automation: 2 No's.
- Master/Slave Combination.
- Master Bluetooth: Bluetooth serial port with 2.4GHz ISM band Frequency.
- Sensitivity - 84dBm at 0.1% BER, Security Authentication and encryption.
- LED Indications for Bluetooth status.
- On board switches for mode selection USB/RS232/PS2.
- On board reset for microcontroller.
- Complete unit have 2 Bluetooth modules (HC-05), for pairing each other physically. BT test utility supports windows 7, 32 bit only.
- Test points in each section.

Experiment

- To study the basic concept of Bluetooth
- Study of BLUETOOTH Modem & its component.
- Program to ON/OFF the device using Bluetooth and pc.
- Program to ON/OFF the device using Bluetooth mobile application.
- To study and control the movement of cursor or/on LCD through pc .
- BT test utility used on windows 7, 32 bit for command set study.
- To study how to configure Bluetooth as master to slave .
- To Study how to transfer data from master to slave through (GLCD 128x64).
- Facility of RS 232, USB, Ps2.
- Experiment to perform the application home automation.



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