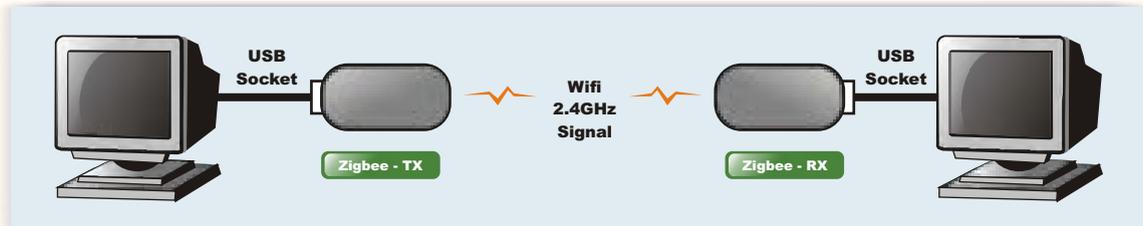# SIGMA

ZIGBEE NETWORKING TRAINER
MODEL - ZIGBE100

This trainer has been designed to understand Networking two Computers using Wireless ZigBee technology and carry out wireless applications between two computers.

SPECIFICATIONS

Zigbee Hard wares

1. High sensitivity (104 dB), Digital radio based on   IEEE 802.15.4 standard for wireless personal area networks (WPANs)
1. Minimum Data Rate of 250 Kbps at 2.5 GHz
2. Minimum Communication Range Of 20m
3. Technical Manual Of Trainer Kit
4. Minimum Processing Power Of 2 GHz or Above
5. Display Unit Size & Resolution (Minimum) : 15 Inches & 800*600.
6. External Interface Modules With PCI or USB.
7. Compatibility With Windows XP/Vista/Windows7.
8. Provision Of Report Generation For Analysis.

EXPERIMENTS

1. To understand theory of ZigBee technology
2. To understand ZigBee Networks
3. To study different types of ZigBee devices
4. To study Installation procedure
5. To configure and install ZigBee devices - IRQ, I/O port address, Memory address
6. To install ZigBee Software
7. To test ZigBee installation
8. To connect two computers through ZigBee and transfer data between them.
9. To demonstrate and understand different types of faults

Note: - Two Computer systems (Pentium IV 1.5 Ghz, 80 GB HD, 128 MB RAM) with Windows XP are required to Operate this trainer.