



# WIRELESS LAN WITH WI-FI AND BLUE TOOTH NETWORKING MODEL - WLAN100

This trainer has been designed to understand Networking two Computers using Wireless Technology.



## SPECIFICATIONS

### Blue Tooth Hard wares (2 Nos.)

- |                      |   |  |
|----------------------|---|--|
| 1. Standard          | : | Blue tooth V1.1 - compliant              |
| 2. Frequency Band    | : | 2.400GHz - 2.4835GHz                     |
| 3. Spread Spectrum   | : | FHSS (Frequency Hopping Spread Spectrum) |
| 4. Modulation Method | : | GFSK (Gaussian Frequency Shift keying)   |
| 5. Antenna           | : | Integrated printed type                  |
| 6. Working Distance  | : | Up to 10 feet in open space              |
| 7. LED indicator     | : | Data transfer                            |
| 8. DC power source   | : | 5V from Connected USB port               |

### UWB Hard wares (2 Nos.)

- |                      |   |  |
|----------------------|---|--|
| 1. Standard          | : | UWB V1.1 - compliant                     |
| 2. Frequency Band    | : | 2.400GHz - 2.4835GHz                     |
| 3. Spread Spectrum   | : | FHSS (Frequency Hopping Spread Spectrum) |
| 4. Modulation Method | : | GFSK (Gaussian Frequency Shift keying)   |
| 5. Antenna           | : | Integrated printed type                  |
| 6. Working Distance  | : | Up to 10 feet in open space              |
| 7. LED indicator     | : | Data transfer                            |
| 8. DC power source   | : | 5V from Connected USB port               |

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

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**Dealer:-**

## EXPERIMENTS

1. To understand theory of Blue tooth technology
  2. To understand Blue tooth Protocols
  3. To understand different types of Blue tooth Networks
  4. To study different types of Blue tooth devices
  5. To study Blue tooth adaptor and interfacing methods.
  6. To study Installation procedure
  7. To configure and install Blue tooth devices - IRQ, I/O port address, Memory address
  8. To install Blue tooth Software
  9. To test Blue tooth installation
  10. To connect two computers through Blue tooth and transfer data between them.
  11. To send voice through Blue tooth
  12. To send PIM card through Blue tooth
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1. To understand theory of Ultra Wide Band technology
  2. To understand Ultra Wide Band Protocols
  3. To understand different types of Ultra Wide Band Networks
  4. To study different types of Ultra Wide Band devices
  5. To study Ultra Wide Band adaptor and interfacing methods.
  6. To study Installation procedure
  7. To configure and install Blue tooth devices - IRQ, I/O port address, Memory address
  8. To install Ultra Wide Band Software
  9. To test Ultra Wide Band installation
  10. To connect two computers through Ultra Wide Band and transfer data between them.