



SALIENT FEATURES

- It offers comprehensive experiment set up explaining various physical topology of LAN viz; Token Ring, Token Bus, Ethernet (CSMA/CD), Modbus etc. & variety of TCP, IP, HTTP, SMTP, wireless LAN (802.11) etc. Protocol demonstrator through error generation facility sans socket programming.
- Set of Users Guide provided with each unit.
- Table top setup made using light but sturdy aluminum profile (4X2) Rack complete with cables connectors, Optionally external USB to RS232 Converter is Provided.
- One PC with serial required for monitoring or as user not in scope of supply.
- Useful for post Graduate projects and research purpose.

Technical Specification

| Type of LAN IEEE | CSMA (802.3) | Token Ring (802.5) | Token Bus (802.4) | Modbus (Industrial LAN) |
|------------------|--|--|---|---|
| Port | Ethernet | RS232 | RS485 | RS485 |
| Connector | RJ45 | 9 pin D type (M) | 2 pin relimate | 2pin relimate |
| Cable | 5 or 8 port LAN switch with 5 straight CAT5 UTP cable + 1 cross cable (half length) 2meter each. | 9 pin D (F-F) straight cable 5 nos (0.75m X 4 nos, 1.5 m X 1nos) | 9 pin D (F-F) strtaight cable 5 nos (0.75m X 4 nos, 1.5 m X 1nos) with RS232 to RS485 convertor for PC connectivity | |
| Mode | Star,4 nodes (Default) or 6 (as per order) client nodes with PC as user/monitoring node. | Physical logical ring, Full duplex, token passing of nodes (default) or 6 (as per order) with PC monitoring. | Physical logical ring, half duplex, token passing of nodes (default) or 6 (as per order) with PC monitoring. | Master-slave half duplex, Stop & with nodes (default) or 6 (as per order) one user PC mode. |
| PC Software | Network Protocol Analyser | Network monitor | | MODSCAN |
| PC Hardware | Any lab PC with (P4 X P, WIN7, WIN 8), CDROM, COM Port and one Ethernet port needed (PC is not in scope of supply). | | | |
| Node Hardware | a) embedded Controller device: 89C668 operating @ 16MHz. On chip RAM: 5KB, Flash / EEPROM:64KB. B) Serial port (RS232C) 9 pin D (M). c) In built USB to serial converter. d) Display : 20X4LED(Backlit), e) General Purpose SMD bicolor (green, red) 8X2 LEDs & 8 SMD push button switches / DIP switches , f) Power (SMPS): 5V/2.5AmA with RCA piug. SMPS. AC IP230Vac+/-10% /50Hz X 4nos., g) USB to Serial interface using CP2102, h) Variable slow clock (2Hz), i) 3 numbers of SPDT switchfor selection of communication between PC, NIC & ECU. | | | |

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in