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 lnos)	9 pin D (F-F) strtaight cable 5 nos (0.75m X 4 nos, 1.5 m X lnos) with RS232 to RS485 convertor for PC connecticity	
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 switchs / DIP switchs , 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.