ASYNCHRONOUS TRANSMISSION MODE (ATM) TRAINER

MODEL - ATM100

SIGMA

This trainer provides training of hardware and software theory of Local Area Networking based on ATM Technology.

SPECIFICATIONS

(A)   Computer Systems
(One Server & Two Client's) Optional

1.	CPU with fan	:	Intel Pentium IV 1.5 GHz
2.	Mother Board	:	200 MHZ FSB
3.	Memory (RAM)	:	128 MB SDRAM
4.	Display Adaptor card	:	On Board AGP 8 MB
5.	Hard Disk	:	40 GB ATA
6.	Floppy Disk Drive	:	1.44 MB
7.	Monitor	:	15" Colour SVGA
8.	Key board	:	104 Keys Keyboard
9.	Mouse	:	Logitech 1st Mouse with pad
10.	SMPS	:	200 Watts AT
11.	CDROM Drive	:	52X
12.	Sound card	:	On Board 32 Bit PCI
13.	Speakers & Mike	:	Stereo Speakers 100 Watts - Microtek

(B)   ATM Hardware

1.	Gigabit Ethernet Cards	:	3 No.
2.	ATM switch	:	1 No.
3.	100 Mbps Hub	:	1 No.

(C)   Training Packages

1. ATM Training software.

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-

EXPERIMENTS

1. To Study the Block Diagram and Working principle of networking
2. To study ATM standards and Specifications
3. To understand different types of Networks - by Signaling Methods: -
   Ethernet, ARCNet, Token Ring, Fast Ethernet, FDDI, Gigabit, ATM
4. To understand ATM fundamentals
5. To understand different types of Networks - by Arrangement type
   Peer-to-Peer Network, Client-Server Network
6. To understand different types of Network topology - Bus topology, Ring topology, Star topology,
7. To study different types of Network Operating systems
   Netware, Netware Light, LaNtastic, Windows NT, UNIX
8. To understand different types of Network Protocols
   ATM, IPX/SPX, NetBEUI, TCP/IP, DLC, NETBIOS,
9. To understand ATM network layers
10. To study ATM Interfacing Cards
11. To study ATM connecting accessories
    ATM Backbone switch, ATM Workgroup Switch, ATM MUX, Routers, Hubs, ATM Cables, Connectors,
12. To Study Installation procedure
13. To configure and install ATM Network cards IRQ, I/O port address, DMA channel,
14. To carry out cabling between computers
15. To install Network Software Server Software, Client software,
16. To test Network installation
17. To understand method of connecting ATM LAN to Internet
18. To send E-Mails on network
19. To demonstrate and understand different types of faults
20. To study faults diagnosis method
21. To study glossary of the Technical Words