

- Network

ADSL(ASYMMETRIC DIGITAL SUBSCRIBER LINE) TRAINING SYSTEM

ED-NET-2

- Wide learning coverage from the basic theories of ADSL and high-speed telecommunication to field wire arrangement
- Study of functions, characteristics, installation, repair and maintenance of basic ADSL components such as Telephone Exchange, Splitter, DSLAM, ADSL Modem, HUB and LAN Card
- Network structure through interworking experiments with Internet and capability of Internet usage and simple programming
- Capable of interworking experiments with ED-NET-3(LAN Training System)



> EXPERIMENTS

- Overview of ADSL and introduction to xDSL
- LAN Card installation
- Field practices of wire arrangement among ADSL products
- Concept of HUB and HUB setup practice
- Function of Splitter and connection with telephone
- Function of DSLAM and Interface setup
- Program operation for Packet Analysis
- Network design and programming
- Interworking functionality for LAN Training System

> LEARNING OBJECTIVES

Covering experiment topics for a course of 8 weeks, each system set starts from basic theories and understanding of the essential equipments with real field installation, and ends with use of the installed network and identification of monitoring tasks. Each chapter of the Experimental Manual consists of theory(2 hours) and practice(2 hours)

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> SPECIFICATIONS

• DSLAN

- » ADSL Standard ANSI T1.413 & ITU-T G.992.1
- » IEEE Standard IEEE802.3 10 Base-T & IEEE802.3u 100 Base-Tx
- » IEF Standard RFC 1058 RIP v1 & RFC 1723 RIP v2, etc
- » ADSL Speed Up to 8Mbps
- » ADSL Maximum Range 5km
- » ADSL Management Standard RFC 1157 SNMP v1
- » ADSL Line Code DMT
- » ADSL Connector loop line 2-wire 1Pair
- » Up-Link Interface Fast Ethernet

• ADSL Modem

- » Supporting the Ethernet 10Base-T interface
- » ADSL Speed Up to 8Mbps
- » IEEE Standard IEEE802.3 10 Base-T
- » ADSL Standard ANSI T1.413 & ITU-T G.992.1, G.992.2
- » ADSL Maximum Range 5km
- » Bridge/Router configuration
- » NAT function applicable
- » Rate Adaptive in 32kbps

• HUB

- » Conforms to IEEE802.3, 802.3u and 802.3x Ethernet Standards
- » 8 ports auto-negotiation 10/100Mbps Ethernet RJ-45 ports
- » Automatic MDI/MDIX crossover for each 10Base-T/100Base-TX port

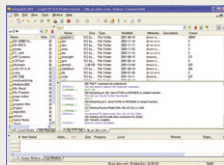
- » Backpressure for Half-duplex mode and Flow control for Full-duplex mode
- » Store-and-forward switching architecture
- » 1K entry MAC address table and automatic address learning
- » Performs non-blocking full wire speed
- » LED-indicator for Power, LK/ACT

GENERAL CHARACTERISTICS

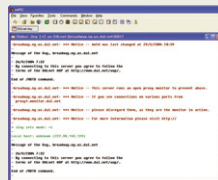
- Demension 500(W) x 400(H) x 400(D)mm : 3sets
- Weight : 70kg
- Input Power : AC 220V, 50/60Hz

ACCESSORIES

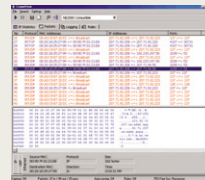
- LAN Card : 5ea
- UTP Line Tester : 1ea
- UTP Cable : 300m
- RJ-45 Jack : 100ea
- RJ-45 Tool : 1ea
- Splitter 24Port : 1ea
- Telephone Exchange 3 Central office line, 8 Extension line : 1ea
- Key Phone : 1ea
- Telephone : 2ea
- Manual : 1ea



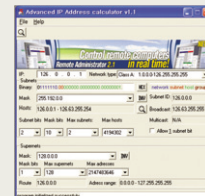
FTP Server



IRC Program



Packet Analyzer



Subnet Calculator