TRENDNET®

ADSL/ADSL2+ Ethernet Modem Router

TDM-E400

The TDM-E400 is ADSL/ADSL2+ customer premise equipment that provides high-speed asymmetrical data transmission on a single twisted copper pair. The DSL line interface supports various ADSL standards, up to ADSL2+. At the DTE side these CPEs provide, dual interfaces, a 10/100 Ethernet interface and one USB port for easy connection to user's PC or LAN environment. TDM-E400 delivers broadband access for enterprises, telecommuters, home, and remote office workers with high-speed data transfer requirements.

FEATURES

• Compliant with ITU-T G.992.1 (G.dmt), G.992.2 (G.lite) and ANSI T1.413 Issue 2

• TDM-E400 is additionally compliant with ITU-T G.992.3 (G.dmt.bis / ADSL2), G.992.5 (ADSL2+) and provides up to 24 Mbps downstream rate

• Compatible and interoperable with major Central Office side ADSL DSLAM or Multi-service Access System

• One 10/100 Base-TX Ethernet port for PC / LAN connection

• RFC2684 / 1483 to bridge or route traffic over ATM over ADSL

• Support Networking protocols such as PPP, IP routing, NAPT, relay / client

• Support local and remote configuration and management through Web, Telnet or SNMP

• Simple firmware upgrade via TFTP, FTP or HTTP

• 5-Year Warranty

SPECIFICATIONS

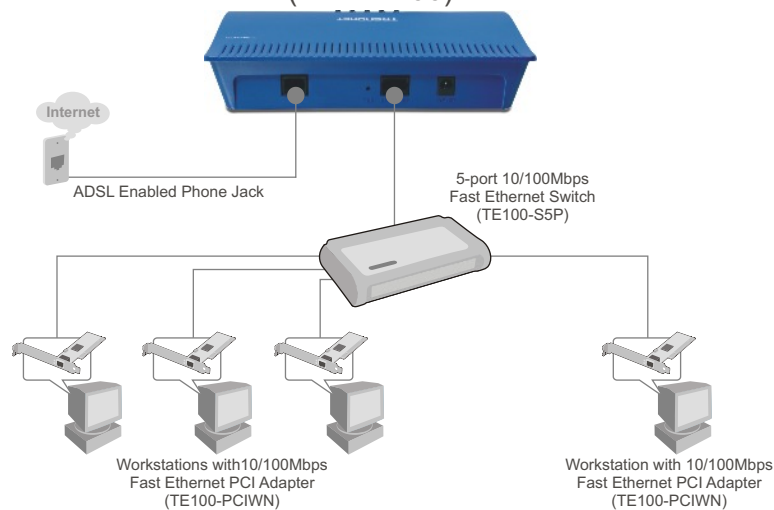| Hardware	
LAN Interface	• One 10/100 Base-TX Ethernet port, IEEE 802.3/3u, RJ-45 connector
WAN Interface (ADSL line)	• One pair (2-wire) loop, 100 O line impedance with RJ-11 connector • Compliance of X8821r: ITU-T G.992.1, G.992.2 and ANSI T1.413 Issue 2 • Compliance of X8821r+: ITU-T G.992.1, G.992.2, G.992.3, G.992.5 & ANSI T1.413 Issue 2
Indicators	• ALM (red LED) – Indicates data error or operation fault • LAN (green LED) – Continuous ON when Ethernet is active; blinking while transmitting / receiving data • PPP (green LED) – Continuous ON when PPP connection is established; blinking while transmitting / receiving data • WAN (green LED) – Continuous ON when ADSL link is up • PWR (green LED) – Continuous ON when power is properly connected
OAM&P	• Local: Telnet or Web management via Ethernet • Remote: Telnet or Web Management
Power	• AC adapter: Input 110/220VAC, 50/60Hz; Output 15VAC 1A
Power Consumption	• Less than 6 Watts
Environment	• Operation Temperature and Humidity: 0°C ~ 45°C,5% ~ 95% (non-condensing) • Storage Temperature and Humidity: -20°C ~ 85°C, 5% ~ 95% (non-condensing)
Dimensions	• 170 mm ×121 mm × 36 mm (6.7 x 4.8 x 1.4 in)
Weight	• 255g (9 oz)
Certifications	• FCC, CE
Software	

ATM	• ATM cells over ADSL, AAL5
	• Supports 8 PVCs
	• Supports UBR, CBR, rt-VBR, nrt-VBR and GFR traffic classes
	• ADSL-aware CAC (Connection Admission Control)
	• Support for F5 AIS, RDI, and loopback cells
	• Payload encapsulation
	  - RFC2684 / RFC1483, Multiprotocol Encapsulation over ATM Adaptation Layer 5
	  - RFC2225 / RFC1577, Classical IP and ARP over ATM(IPoA)
	  - RFC2364, PPP over AAL5 (PPPoA)

Bridging	• RFC2684 / RFC1483 bridged PDU encapsulation • IEEE 802.1D transparent bridging and spanning tree protocol • ZIPB (Zero Installation PPP Bridge)
Routing	• FC2684 / RFC1483 routed PDU encapsulation • Supports Point-to-Point Protocol (including PPPoA and PPPoE) and user authentication via PAP or CHAP • Supports TCP, UDP, ARP, RARP, IPCP, ICMP, IGMP, etc. • IP routing: static route, RIP v1 and v2 • NAT/PAT with extensive ALG supports • DNS relay agent • Layer 2 tunneling protocol (L2TP)

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Software

Security	• Built-in firewall with protection against DOS attacks, IP spoofing, and other common types of attacks • Packet filtering at MAC layer (raw filter) and IP layer, including stateful packet filtering • Supports blacklist
Configuration and Network Management	• TR037-compliant auto-configuration using ILMI • SNMP v1 agent – over IP, ILMI VCC or HDLC/EOC • DHCP client, server and relay for IP management • Universal Plug and Play (UPnP) support • Telnet with CLI (command line interface) or Web-based configuration and management • FTP/TFTP or HTTP for firmware upgrade and configuration

NETWORKING SOLUTIONS

ADSL/ADSL2+ Ethernet Modem Router
(TDM-E400)

Internet

ADSL Enabled Phone Jack

5-port 10/100Mbps
Fast Ethernet Switch
(TE100-S5P)

Workstations with10/100Mbps
Fast Ethernet PCI Adapter
(TE100-PCIWN)

Workstation with 10/100Mbps
Fast Ethernet PCI Adapter
(TE100-PCIWN)

PACKAGE CONTENTS

• TDM-E400

• CD-ROM (User's Guide)

• Quick Installation Guide

• 1 x 1.5m(5ft) Cat.5 Cable

• 1 x RJ11 Telephone Cable

• Power Adapter (15V AC 1A)

RELATED PRODUCTS

TW100-BRM504	4-Port ADSL Modem Firewall Router
TDM-C400	ADSL/ADSL2+ Ethernet / USB Combo Modem Router
TEW-435BRM	54Mbps 802.11g ADSL Firewall Modem Router

ORDERING INFORMATION

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