

LAN Extender

TC-505N



Description

The TC-505N, a SHDSL (Single-pair High-bit-rate Digital Subscriber Line) LAN Extender, provides a broadband transmission with bandwidth up to 5.696Mbps (15Mbps for PAM128) over a single pair of copper wires for LAN connection between two local area networks. TC-505N provides a console port for users to configure the settings and to monitor the DSL connection status.

TC-505N conforms to ITU-T G.991.2, the GSHDSL requirements. Each TC-505N can be configured as either STU-C for the central side or STU-R for the remote side. 1 / 2 pair of TC-505N offers a cost effective symmetrical broadband solution for bandwidth-hungry applications such as LAN-to-LAN connection, Internet

Features

- ITU G.991.2 Annex A, Annex B and Annex F ,Annex G
- Symmetrical downstream and upstream data rates from 192Kbps to 5.696Mbps
- Four hard segmented 10/100 BaseT Ethernet ports with 64Kbps bandwidth control granularity
- Auto or Fixed DSL rate operation
- Auto-Negotiation for 10/100 BaseT
- Auto-MDIX for Auto Ethernet Tx/Rx Swap


Specification
G.SHDSL Specification

- Fully compliant with standards of ETSI (SHDSL, SHDSL.bis), ITU (G.SHDSL, G.SHDSL.bis, G.hs, g.998.2/g.bond) and IEEE (EFM)
- Line Code: TC-PAM 16/32/128
- M-pair mode for 1/2 pairs , 2 pairs is optional
- ITU G.991.2 Annex A ,B,F,G
- STU-C/STU-R mode selectable
- Impedance: 135 ohm
- SNR /Attenuation Value calculation

Physical interfaces

- 4 ports RJ45 for 10/100Mbps Ethernet LAN connection
- RJ-11 ports for G.SHDSL connection
- 1 console port for local configuration and management

ATM Protocol

- ATM adaptation layer type 5 (AAL5)
- VC multiplexing and LLC encapsulation
- Multi-protocol over AAL5 (RFC 1483 bridged PDU)
- Support 8 PVCs

Bridging

- IEEE 802.1D transparent learning bridge
- Up to 1K MAC learning addresses

Configuration

- Local console
- Telnet access
- Web-based GUI (HTTP)

Network Management

- Web-based GUI for express setup, configuration and management
- Password protected management
- SNMP management with SNMPv1/SNMPv2c
- Software upgrade via TFTP server

Hardware

Power Supply	External power adapter 12V DC, 1000mA
LAN Port	RJ45 x 4
WAN Port	RJ45 x 1
Console Port	RJ45 x 1
Operating temperature	0° to 45°C
Storage temperature	-10° to 70°C
Housing	Plastic Case
Dimension	160mm x 120mm x 35mm (L x W x H)



Order Information

Product	Description
TC-505N	LAN Extender with 4x10/100Mbps Ethernet Port, 1xRJ 45 (DSL) Port, Console Management Port, External 12VDC Adapter Power Supply



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