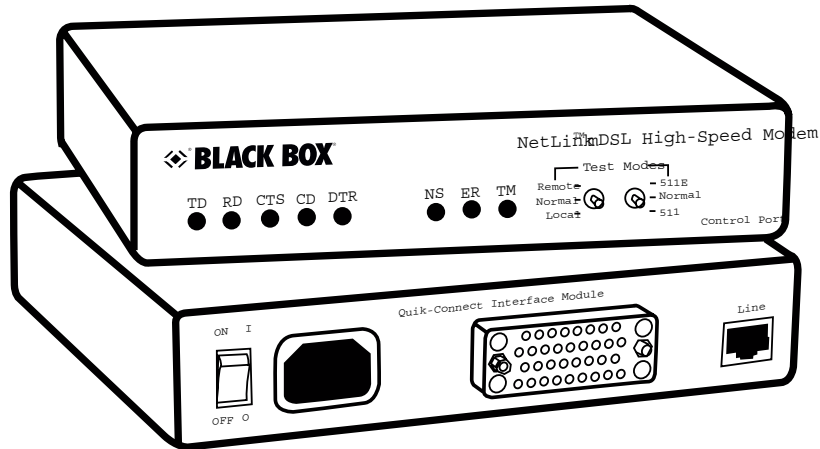


BLACK BOX NETWORK SERVICES

NetLink™ mDSL

Get DSL distance over just 2 wires!



Key Features

- ▶ Affordable broadband transmission over existing copper infrastructure
- ▶ 2-wire operation
- ▶ Multiple Digital Subscriber Line (mDSL) technology
- ▶ DTE speeds of 64 kbps to 2.3 Mbps in user-defined increments
- ▶ Multiple line rates of 128 kbps to 2.3 Mbps
- ▶ SNMP and HTTP network management
- ▶ CAP (Carrierless Amplitude and Phase) Modulation gives full duplex over just one pair

Overview

The NetLink™ mDSL provides affordable high-speed connectivity over a single pair of copper wires. Speeds up to 2.3 Mbps are possible as well as distances up to 8.9 km at lower rates. Speeds of 64 to 2304 kbps are available in 64K increments.

Choose from RS-232/ V.24, RS-422/530, X.21, V.35 and G.703 WAN interfaces or a 10BASE-T LAN interface.

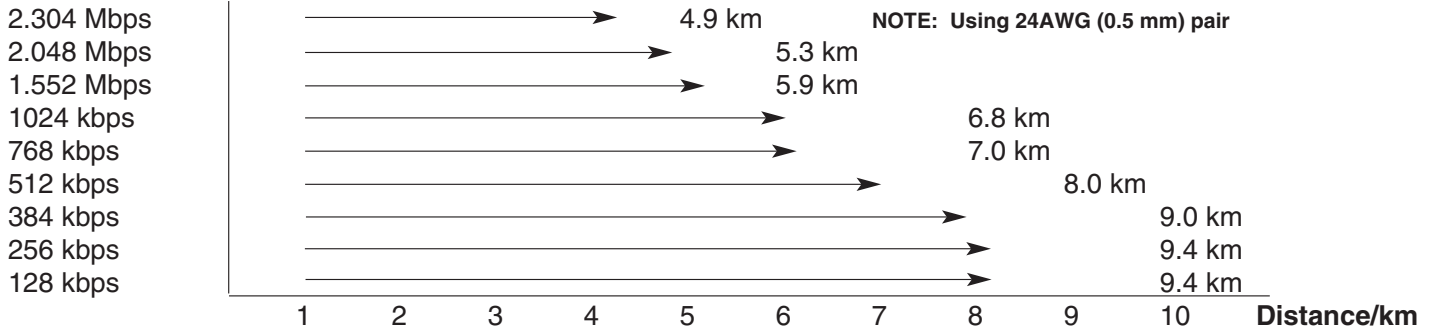
The modules are interchangeable, so your investment is protected if your network configuration changes.

You can even use a different interface option at each end of the link, leaving the modems to do the conversion! When using the Ethernet version in this configuration, the industry-standard PPP protocol is used enabling connection to most routers over a V.35, X.21, or G.703 link.

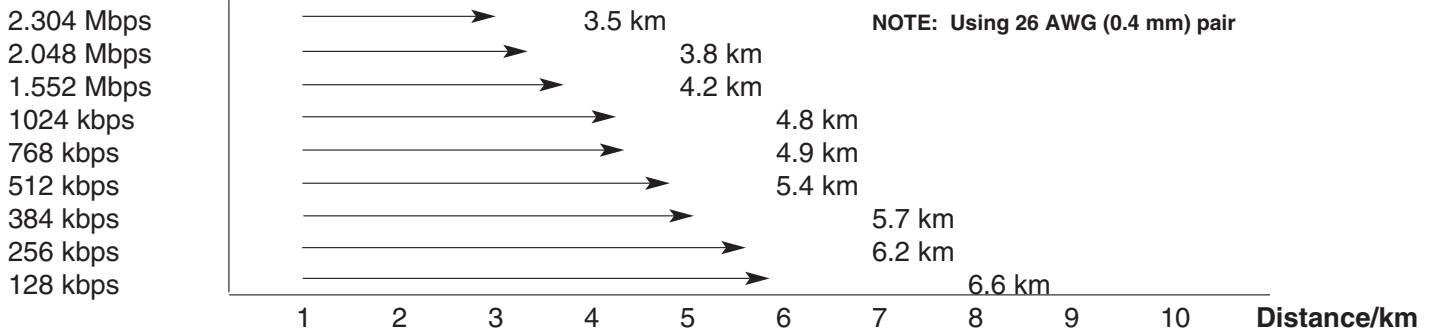
The NetLink mDSL features a comprehensive range of V.54 diagnostics. Configure the NetLink mDSL via simple external DIP switches. Control and monitor it using SNMP/HTTP management.

Netlink mDSL modems are compatible with the Compact mDSL modems (MDU9705A), and mDSL cards for the Access Rack (MDU9700C).

Line Rate



Line Rate



Specifications

Clocking — Internal, external or receive recovered (network) clock

Data Format — Synchronous, full-duplex over (1) unconditioned twisted-pair (2-wire) cable

Diagnostics — V.54 loops (LLB, RDL); V.52 compliant BER pattern generator (511/511E)

DTE Rate — 64 kbps to 2.3 Mbps

Line Encoding — CAP

Line Rate — 128, 256, 384, 512, 788, 1024, 1596, 2048, 2304 kbps

Maximum Distance — 8.9 km at 128 kbps over 24 AWG/05-mm wire (no crosstalk)

Interface — DTE: V.24 (RS-232/V.24), RS-422/530, V.35, X.21, 64K/G.703, Ethernet bridge or voice/data depending on mode

Indicators — (8) LEDs: TD, ROI, CTS, CD, DTR, ER, TM, NS

Power — 90–260 VAC, 50–60 Hz, universal input (-48 VDC optional [10W])

Size — 4.1H x 18.5W x 16.8D cm

Weight — 1 kg

Ordering Information

Item

NetLink mDSL Modem
90–260-VAC
48-VDC

Code

MDU9700
MDU9700-48

Order the interface or bridge module for your application...

Interface Cards

RS-232/V.24 (DB25 Female)
RS-422/530 (DB25 Female)
V.35 (M/34 Female)
G.703 (RJ-45)
WAN Bridge Module

ME481C-232
ME481C-422
ME481C-35
ME481C-G703
ME530A