BLACK BOX®
NETWORK SERVICES

MDSX3207D

Key Features

▶ G.SHDSL Line Code: TC-PAM

▶ High Speed Symmetrical Data Transmission on Single Twisted Copper Pair Wire

▶ T1/E1 with G.703/704 interface provide framed or unframed transport service

▶ High performance, simple operation, low power consumption

▶ Compatible and interoperable with major Central Office side symmetric DSL DSLAM

▶ Local OAM&P via RS-232 Craft port or by telnet through 10BaseT port

▶ Provide loop-back function for easy maintenance

G.SHDSL with T1/E1 interface The Black Box MDSX3207D series DSL support the G.SHDSL standardized multi-rate symmetric application, is designed to transport symmetrical data across a single copper pair at data rates 2056 kbps for E1 or 1552kbps for T1.

Specifications

E1/T1 Interface —
- Connector -RJ45/RJ48C
- Line code
- E1: HDB3, AMI
- T1: B8ZS, AMI
- Framing
- E1: FAS, FAS+CRC-4, FAS+CAS, FAS+CAS+CRC-4; unframed
- T1: SF, ESF, SLC, CRC-6, unframed
- Line rate
- E1: 2048kbps +/- 50ppm
- T1: 1544kbps +/- 50ppm

WAN -- SHDSL Line I/F —
- Line Rate: 2056Kbps
- Line Code: TC-PAM
- Line Impedance: 135 W

- Connection Loops: One Pair (2-wire)
- Connector: RJ-11

LED Indication —
- PWR -- Green LED, indicate power status
- TX -- Green/Red LED, Green Steady : Frame Sync at E1/T1, Green Flash : transmitting data over E1/T1 data, Red : Loss of Frame Alignment
- RX -- Green/Red LED, Green Steady : Signal Sync at E1/T1, Green Flash : receiving data over E1/T1 data, Red when Loss of Signal Alignment
- WAN --Green, DSL data link. Green when synchronized. Flash when training

- ALM --Red LED, DSL alarm. Red when lost of sync or data error.

Configuration and Management —
- Console VT-100 emulation
- Interface: RS232 with DB9 connector
- Telnet through the IEEE 802.3 Ethernet 10BaseT LAN port with RJ-45 connector
- TFTP Server for software upgrade through LAN port
- Loop-back function support Line loop-back, analog loop-back, payload loop-back, framer loop-back

Environment —
Temperature: 0°C ~ 50°C
Humidity: 5% ~ 95%

Electrical —
- AC Adapter: Input 110VAC/60HZ or 220 VAC/50Hz; Output 12VDC 1A
- Power Consumption: Less than 10 Watts

EMC —
FCC Part15 Class B, CE Class B

Safety —
CE EN60950

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 secounds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive techincal knowledge on-line, including technology overviews, BLACK BOX Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

BLACK BOX exclusives — Certification Plus. Guaranted-for-life products and services.

Ordering information

ITEM	CODE
G.SHDSL with G.703 interface	MDSX3207D