



BLACK BOX[®]

NETWORK SERVICES

G.SHDSL Ethernet Modem



Key Features

- ▶ Easy configuration and management with password control for various application environments
- ▶ Efficient IP routing and transparent learning bridge to support broadband Internet services
- ▶ Fully ATM protocol stack implementation over G.SHDSL
- ▶ PPPoA and PPPoE support user authentication with PAP/CHAP/MS-CHAP
- ▶ SNMP management with SNMPv1/SNMPv2 agent and MIB II
- ▶ Getting enhancements and new features via Internet software upgrade

The G.SHDSL (Symmetric High Speed DSL) router MDS5110A, provides an SHDSL network interface ranging from 192Kbps to 2.304Mbps payload rates. It is designed not only to optimize the service bit rate from central office to customer premises also it integrates high-end Bridging/Routing capabilities. The router MDS5110A allows customers to leverage the latest in broadband technologies to meet their growing data communication needs.

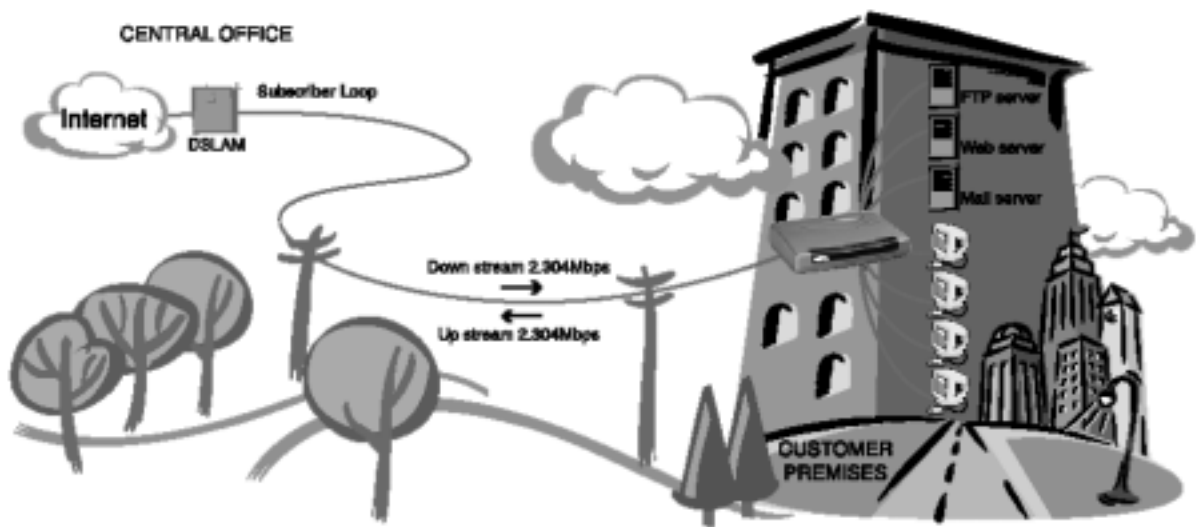
Specifications

Routing — IP Routing; Static Routing and RIPv1/RIPv2; IP Masquerading
NAT/PAT; DHCP Server; DNS Relay and Caching
Bridging — IEEE 802.1D Transparent Bridging (Spanning Tree Algorithm)
Configuration — Local Console (CLI) (RS232); Telnet Access; Web-Based GUI (HTTP); Password Control
Network Management — SNMPv1/SNMPv2 Agent; MIB II

Software Upgrading — TFTP download
ATM — Up to 8 PVCs; UBR/CBR traffic shaping; AAL5, OAM F5 loopback, ATM Forum UNI 4.0
AAL5 Encapsulation — VC Multiplexing and SNAP/LLC; Ethernet over ATM (RFC 1483); PPP over ATM (RFC 2364); Classical IP over ATM (RFC 1577)

PPP — PPP over Ethernet (RFC 2516); PPP over ATM (RFC 2364); User Authentication with PAP/CHAP/MS-CHAP
WAN Interface — SHDSL: ITU-T G.991.2 (Annex A, Annex B); Encoding scheme: 16-TCPAM; Data Rate: N x 64Kbps (N=1-36); Impedance: 135 ohms
Hardware Interfaces — WAN: RJ-11; LAN: RJ-45; Console port: RS232

Indicators — General: PWR; WAN: LNK, ACT; LAN: LNK/ACT, 100M
Memory — 2MB Flash Memory, 4MB SDRAM
Power — Power: 100-240VAC; Power consumption: 6 watts
Temperature — 0-45°C
Humidity — 0%-95% RH (non-condensing)
Dimensions — 18.7 x 3.3 x 14.5 cm (WxHxD)



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 seconds, find the right product with our technical experts.

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

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

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Ordering information

ITEM	CODE
G.SHDSL 2.3 MBPS, 2 wire	
G.SHDSL ModemMDS5110A