



BLACK BOX[®]

NETWORK SERVICES

2Mbps SDSL Modem 300S

Key Features

- ▶ Symmetric operation up to 2.048 Mbps
- ▶ 10BASE-T Ethernet port
- ▶ High-performance Ethernet bridging: dynamically learns up to 8,192 addresses
- ▶ Complete DSLview™ network management LEDs provide at-a-glance status of modem and network connections
- ▶ User-selectable data rate control

The Megabit Modem[®] 300S is a high-performance SDSL modem that connects individual power users or small LAN environments to a frames-over-SDSL service. The 300S may be used "back to back" with another 300S for simple LAN extension applications, or it may be used with the Avidia[®] System AV421 24-port SDSL module for high-density service provider applications. ADC's rate-selectable modems enable the user to manually choose transmission speed in order to obtain the best possible data rate for distance and line condition. Typically, subscribers close to the provider's point of presence will receive the highest data rate available, while subscribers far away will still be reachable at lower rates.

Individual Internet Applications

Home Internet access: The 300S can be used to provide very high speed Internet access to home power users and telecommuters.

Remote Office Applications

Remote office network connectivity to the central site: remote offices can simply connect the 300S to their LAN and use the symmetric SDSL service to tap into their corporate network.

Campus Applications

Campus networks: within a private network the 300S may be used to connect LANs in separate buildings.

Multi-Tenant Applications

Multi-tenant office buildings and dwelling units: service providers may use the 300S in office buildings and apartment complexes to provide in-building network services over private wiring.

Internet Applications

Internet access for businesses and other organizations with small LANs: the 300S can be used with SDSL services, in lieu of a separate modem, CSU/DSU and router.

Specifications

LEDs — Power;

LAN: Link, Tx, Rx, Collision;

SDSL: Sync, Tx, Rx, Margin;

LAN Interface — 10BASE-T (802.3i)

Ethernet: Connector: RJ-45

SDSL WAN Interface —

- Rate-selectable, single-pair, high-speed DSL capable of full duplex symmetric operation up to 2.048Mbps
- Rate-selectable at the following rates: 128Kbps, 384Kbps, 768Kbps, 1.024Mbps, 1.280Mbps, 1.563Mbps, 1.792Mbps, 2.048 Mbps (rotary switch for rate setting)
- Connector: RJ-11

Internetworking —

- High-performance Ethernet bridging
- Dynamically learns and ages up to 8,192 addresses

Power Requirements — 100-240 VAC, 50/60 Hz, 0.2 A

Operating Requirements

Temperature — 0°C to 50°C

Relative Humidity — up to 95% non-condensing

Altitude — between -61 to 3,962m

WAN Protocols —

- Ethernet over HDLC (frames) over SDSL
- Firmware upgradable from Avidia System platforms over the SDSL link

Weight — 0.63 kg

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.

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.

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Ordering information

ITEM

CODE

Megabit Modem SDSL 300S	MDS-MM300S
Megabit Modem 300S-Power Supply	MDS-MM300S-PS