



BLACK BOX[®]

NETWORK SERVICES

ADSL Modem 400F/410F/420F

Key Features

- ▶ Brouter setting routes all IP datagrams and bridges all other traffic.
- ▶ Dynamic Host Configuration Protocol (DHCP) server to provide network configuration information including IP addresses to LAN devices
- ▶ AccessGain™ software that provides access through an HTTP server to configure, manage, and monitor the modem through a Web-based interface from the LAN or WAN port
- ▶ SNMP agent for management through any industry standard SNMP platform from the LAN or WAN port
- ▶ Autodetecting 10/100BASE-T Ethernet port for connection to the LAN
- ▶ DSLview™ LEDs that provide continual status at-a-glance for power, LAN, and ADSL connections
- ▶ Trivial File Transfer Protocol (TFTP) for software upgrades

Megabit Modems® 410F and 420F are point to point bridging and routing solutions targeted for advanced LAN extension applications. The Megabit Modem 410F (local device) and Megabit Modem 420F (remote device) enable transmission of cells-over-ADSL at speeds up to 7.552Mbps downstream and 928Kbps upstream.

400F

High-performance ADSL modem for multi user applications

- Supports full-rate ADSL and G.lite
- Full rate offers rates up to 7.552Mbps downstream/928Kbps upstream
- G.lite offers rates up to 1.5Mbps downstream/512Kbps upstream
- Offers symmetric rates up to 928Kbps
- Supports up to 32 virtual circuits
- Embedded SNMP agent
- DHCP server

Specifications

LEDs —

- Power
- LAN: Link, Tx, Rx, Collision
- ADSL: Sync, Tx, Rx, Margin

LAN Interface —

- 10BASE-T (802.3i) Ethernet
- Connector: RJ-45

ADSL WAN Interface —

- ITU-T G.DMT and ANSI T1.413
- Rate Adaptive Discrete Multi-Tone (DMT) Asymmetric Digital Subscriber Line capable of operation up to 7.040Mbps downstream and 928Kbps upstream
- Rate Adaptive in 32 kbps increments

to a minimum of 64Kbps (upstream and downstream)

- Connector: RJ-11

WAN Protocols — Ethernet over HDLC over ADSL

Internetworking —

Bridging:

- MAC layer bridging dynamically learns up to 1,024 addresses
- Supports 802.1d spanning tree protocol

Routing:

- Routing Information Protocol (RIP) I and II

Service Port — Serial interface for

local configuration and management via RS-232, Supports electronic firmware upgrade, Connector: RJ-45

Power Requirements — 100-240 VAC, 50/60 Hz, 0.3 A

Operating Requirements

Temperature — 0°C to 50°C

Relative humidity — Up to 95% non-condensing

Altitude — Between -61 to 3,962 m

Physical Specifications

Weight — 1.0 kg

Dimensions — (HxWxD) 3.1 x 17.5 x 23.4 cm

Regulatory Certifications — FCC Part 15, Subpart B, Class A, CE, cUL, UL-1950

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.

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

Ordering information

ITEM

CODE

Megabit Modem 400F	MDS-MM400F
Megabit Modem 410F	MDS-MM410F
Megabit Modem 420F	MDS-MM420F
Megabit Universal Power Supply	MDS-MM500F-PS