



SURFboard® Cable Modem SB5100

Built for incredible speed.

Zoom through the Net with Motorola's SURFboard Cable Modem.

Why waste time waiting for dial-up? With the SURFboard, high speed Internet access is always at your fingertips. That's because it's always on and always connected. Plus, it's fast. Up to 100 times faster than traditional 28.8K analog phone modems.* And, with its built-in stand-by switch designed to keep the outside world away from your computer, it's safer too.**

BENEFITS:

- Always on, always connected and always ready to go
- No telephone line needed
- Capable of downloading up to 100 times faster than traditional 28.8k analog phone modems*
- Downloads mega-files in seconds
- Stand-by switch disconnects the modem from the outside world when not in use**
- Expands real-time online gaming and console gaming with online access
- USB or Ethernet connectivity for easy installation
- 24 x 7 technical support available over the Web or by phone

FEATURES:

- DOCSIS® 1.1 and DOCSIS® 2.0 Certified
- Front-panel LEDs to indicate status
- User-friendly online diagnostics page
- Supports standard Internet software
- Specially designed architecture allows for future upgrades

WHAT'S INCLUDED:

- SURFboard SB5100 Cable Modem
- USB and Ethernet cables
- Power adapter
- Installation CD-ROM with USB drivers
- Quick Start Guide
- Two-year limited warranty

SYSTEM REQUIREMENTS:

- Minimum 486/66 (Pentium Processor preferred) or Macintosh-compatible CPU (Power PC)
- Operating systems such as: Windows® 95/98/2000/NT/Me/XP; Macintosh® OS 8 or higher; and UNIX®
- CD-ROM drive
- 10/100Base-T Ethernet or USB connection
- Check with your local cable provider for DOCSIS® high speed data service

CONNECTEDMOTO

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TECHNICAL SPECIFICATIONS

GENERAL

CABLE INTERFACE

F-connector, female, 75 Ω

CPE NETWORK INTERFACE

USB, Ethernet 10/100Base-T

DATA PROTOCOL

TCP/IP

PHYSICAL DIMENSIONS

6.2" (H) x 2.3" (W) x 6.0" (L)

POWER

9 Watts (nominal)

INPUT POWER

North America: 105 to 125 VAC, 60 Hz

DOWNSTREAM

MODULATION

64 or 256 QAM

MAXIMUM DATA RATE*

38 Mbps

BANDWIDTH

6 MHz

SYMBOL RATE

64 QAM, 5.069 Msym/s
256 QAM, 5.361 Msym/s

OPERATING LEVEL RANGE

-15 to +15 dBmV

INPUT IMPEDENCE

75 Ω

FREQUENCY RANGE

88 to 860 MHz

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE

32° F to 104° F (0° C to 40° C)

STORAGE TEMPERATURE

-22° F to 176° F (-30° C to 80° C)

HUMIDITY

0 to 95% (non-condensing)

* When comparing download speeds with a traditional 28.8k analog modem. Actual speeds will vary, and are often less than the maximum possible. Upload and download speeds are affected by several factors including, but not limited to: network traffic and services offered by your cable operator or broadband service provider, computer equipment, type of server, number of connections to server, and availability of Internet router(s).

** Actual speeds will vary. Speeds of 30 Mbps are only attainable with A-TDMA or S-CDMA technology.

To view our full line of cable modems, gateways and networking products, visit our Web site at www.motorola.com/broadband/consumers

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