Now with USB network connectivity, Motorola's SURFboard DOCSIS Cable Modem is even easier to install.

Riding the Internet wave just gets better and better. Introducing Motorola's new SURFboard® SB4100 cable modem. With software upgrades accessible over the network and USB network connectivity, users no longer need to purchase additional software or open their PC to install a standard Ethernet card. The SB4100 offers both Ethernet and USB interface connectivity to help ensure compatibility with almost any PC or Macintosh network-ready computer system. What's more, a front panel stand-by switch has been added for additional end-user security. It disconnects the USB and Ethernet connection

to the CPE without disconnecting the cable modem from the RF network, providing security, flexibility and performance.

The SB4100 includes

all of the enhanced

features of previous SURFboard cable modems, including: incredible speed, high-performance processors, advanced RF design, operator-friendly diagnostics, and top-notch field reliability.



➤ DOCSIS 1.0 and 1.1 CableLabs certified



- ➤ Excite@Home Level 2 approved
- USB network connectivity simplifies installation
- > Stand-by switch enhances security
- ➤ Capable of downloading at speeds up to 100 times faster than a 28.8k analog phone modem*
- No telephone lines needed always on, always connected
- Compatible with Windows 95/98/2000/NT/Mac/UNIX/XP Millennium
- Supports up to 32 users—ideal for home and small businesses
- Attractive vertical design saves desk space



FEATURES

- DOCSIS 1.0 and 1.1 compliant
- ➤ USB for Windows 98/2000/XP
- ➤ Supports up to 32 users (1 via USB and up to 31 via Ethernet)
- ➤ Ethernet and USB connections are bridged allowing LAN traffic between USB device and Ethernet LAN
- ➤ 10/100BaseT Ethernet (auto sensing)
- ➤ Remote management via SNMP
- Software upgradeable over the network
- Internal power supply
- ➤ Front panel stand-by switch enhances network security to end-user
- Platform independent modem with HTML-based user interface for status troubleshooting
- Front panel LEDs for easy troubleshooting
- ➤ User guide translates in multiple languages
- ➤ Global safety approval & certificates:
 - CB scheme (EN60950/IEC950)
 - CE-Evaluation test report (EN55022/EN55024)
 - UL approved
 - Microsoft WHQL approved

SPECIFICATIONS

DOWNSTREAM

L	remodulation
Ν	faximum Data Rate
В	andwidth 6 MHz
S	ymbol Rate
S	ymbol Rate
C	Operating Level Range15 to +15 dBmV
Iı	nput Impedance
F	requency Range 88 to 860 MHz

UPSTREAM

Modulation
Maximum Data Rate 10 Mbps
Bandwidth 200 kHz, 400 kHz, 800 kHz,
1.6 MHz, 3.2 MHz
Symbol Rates
Operating Level Range +8 to +55 dBmV (16QAM)
+8 to +58 dBmV (QPSK)
Output Impedance
Frequency Range 5 to 42 MHz (edge to edge)

GENERAL

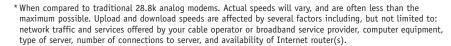
Cable Interface	. F-Connector, female, 75 Ω
CPE Network Interface	. USB, Ethernet 10/100BaseT
	(auto sensing)
Data Protocol	. TCP/IP
Dimensions	. 7.2" H x 2.0" W x 7.8" L
Power	. 9 Watts (nominal)
Input Power	. 100-240 VAC, 50-60 Hz

ENVIRONMENTAL

Operating Temperature	 	 		. 0° to	o 40° C	
Storage Temperature	 	 		30°	to 80° C	
Operating Humidity	 	 		. 0 to	95% R.H.	non-condensing

CONCLUSION

The SURFboard SB4100 cable modem simplifies installation with its USB interface and helps provide enhanced end-user security with its front panel stand-by switch. But that's not all. It is also DOCSIS 1.1 certified, ensuring advanced Quality of Service (QoS). Plus, its 10/100BaseT auto sensing Ethernet lines allows for seamless communications. Excellent performance, seamless functionality, exceptional value... that's innovative technology.



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Specifications subject to change.