



Cable Modem

Speed up the Internet

KEY BENEFITS

Always on, always connected

Because your Internet connection is always on, you'll never have to wait for immediate Internet access – you're always connected!

Superior Internet performance – entertainment, business, and more

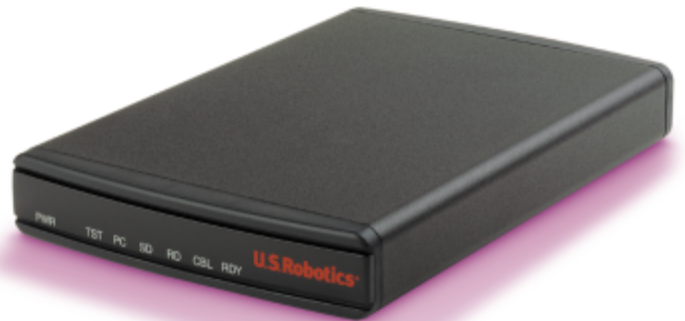
Harness the speed of a U.S. Robotics Cable Modem and download files at up to 43 Mbps!*

Bring your computer up to speed – any computer

It doesn't matter if you've got a Macintosh, Windows-based PC, or a Sun Workstation – if your computer has an Ethernet interface, you can hook up a U.S. Robotics Cable Modem. There's even USB support for Windows 98SE/Me/2000/XP.

DOCSIS™ 1.1 hardware; DOCSIS™ 1.0 firmware

Built-in upgradability ensures that your cable Internet Service Provider will be able to provide you with the latest software for your cable modem.



THE U.S. ROBOTICS CABLE MODEM 7.15 MB MAKES A GREAT ADDITION TO YOUR HIGH-SPEED NETWORK

- Works with most cable Internet Service Providers
- Always on – never a busy signal to hold you up, log on without dialing in
- Enables rich broadband content
- Easy to install
- Works with any operating system (Ethernet only)

0.40 MB

Typical
Analog Modem

0.92 MB

Typical
ISDN Modem

U.S. Robotics
Cable Modem

Compare the amount of data downloaded in 60 seconds by other modems to a U.S. Robotics Cable Modem (assuming a 1 Mbps connection).

HIGH-SPEED BROADBAND INTERNET ACCESS

Dialing up to your Internet Service Provider using a conventional analog modem? Then prepare to be blown away! A U.S. Robotics Cable Modem means increased bandwidth for surfing the Web at speeds far beyond analog-based technology – up to 43 Mbps! Harness high-speed connectivity for interactive gaming, audio and video entertainment, and for downloading huge files in seconds instead of minutes. Have all of this without the hassles of having to “dial up” – with a Cable Modem, your connection is always on so you'll never be slowed down by busy signals or tied-up phone lines.

As with all U.S. Robotics products, our Cable Modem is designed for easy installation and use – use with virtually any computer that has an Ethernet interface, whether it be a Macintosh, Windows-based PC, or Sun Workstation. Prefer USB? The U.S. Robotics Cable Modem supports USB for Windows 98SE, Me, 2000, and XP. DOCSIS™ 1.1 hardware and DOCSIS™ 1.0 firmware certification and downloadable software and standards ensure that this Cable Modem will meet your changing needs.

Your time is valuable – make the most of your online time with a U.S. Robotics Cable Modem, the brand name you've already come to trust and rely upon.



Cable Modem

Features & Benefits

- Always on, always connected – up to 43 Mbps download speeds
- Standards based and certified by CableLabs®
- Slim profile footprint for horizontal or vertical orientation
- Powerful design and architecture, capable of supporting greater than 10,000 packets per second
- Can be configured as a packet inspecting firewall, protecting both the cable network and end users' computer equipment
- Provided with all of the necessary components for "self-installation"
- Can bring high-speed Internet connectivity to any computer that supports Ethernet
- WWW Diagnostic Server provides operational detail to end users and field technicians
- Field upgradable
- Fully manageable via SNMP
- Serial number and MAC address clearly displayed on external packaging and modem for quick reference and provisioning
- 10/100 auto-sensing, full-duplex Ethernet port for maximum speed and interoperability

Specifications and Standards

- DOCSIS™ 1.1 hardware; DOCSIS™ 1.0 firmware
- Complies with IEEE 802.3 standard, Fast and Fast Ethernet standard
- Complies with USB 1.0 standard

Data Rate

- Up to 43 Mbps downstream (256-QAM modulation)
- Up to 10 Mbps upstream (16-QAM modulation)

Note: The speed of your Cable Modem is controlled by your cable Internet Service Provider.

Data Encryption

- RSA DES 40/56-bit encryption

Minimum System Requirements – Ethernet Mode

- Computer with Ethernet interface, usually a network interface card (NIC)
- TCP/IP protocol: DHCP or static assigned addressing
- DOCSIS™ 1.0 or better Internet cable service from a participating cable Internet Service Provider

Minimum System Requirements – USB Mode

- Pentium class processor or equivalent
- TCP/IP protocol: DHCP or static assigned addressing
- Available USB port
- Windows 98SE/Me/2000/XP
- DOCSIS™ 1.0 or better Internet cable service from a participating cable Internet Service Provider

U.S. Robotics Installation CD-ROM Requirements†

- Pentium class processor or equivalent
- Windows 95/98/NT 4.0/Me/2000/XP
- 256 color monitor (16 bit recommended)
- 32 MB RAM
- 2 MB hard drive space available
- 2x CD-ROM drive

Package Contents

- U.S. Robotics Cable Modem
- Power Adapter
- Ethernet Cable
- USB Cable
- RF Splitter
- RF Coaxial Cable
- Quick Install Guide
- Installation CD-ROM

Retail Package

Dimensions

- Length 302 mm (11.88 in.)
- Width 99 mm (3.89 in.)
- Height 188 mm (7.4 in.)

Weight

- 1.8 kg (3.96 lb)

Warranty

- 12-month limited warranty from date of purchase

**Model #6000
Cable Modem**



U.S. Robotics helped you get on the Internet, and we're keeping you connected with cutting edge technology. We're proud of our role in the history of the Internet, but even prouder of our role in the future – broadband, wireless, and beyond. Our entire team, from customer support to engineering, is dedicated to keeping people connected worldwide – with information, entertainment, and each other. www.usr.com

* Actual speeds may vary – consult with your cable Internet Service Provider.

† Installation CD-ROM is not required for Mac OS Ethernet installation.



Cable Modem

	Downstream	Upstream
Frequency Range	88 MHz – 860 MHz	5 MHz – 42 MHz
Bandwidth	6 MHz	200 KHz, 400 KHz, 800 KHz, 1.6 MHz, 3.2 MHz
Modulation	64 QAM/256 QAM	QPSK/16 QAM
Symbol Rate	5.057/5.361 Msymbols/sec	160, 320, 640, 1280, 2560 Ksymbols/sec
Data Rate	30 Mbps (64 QAM), 43 Mbps (256 QAM)	0.32 – 5.12 Mbps (QPSK), 0.64 – 10.24 Mbps (16 QAM)
Power	-15 dBmV – +15 dBmV	+8 dBmV – +58 dBmV (QPSK), +8 dBmV – +55 dBmV (16 QAM)
SNR	23.5 dB (64 QAM), 30 dB (256 QAM)	N/A
Power Consumption	< 6 watts	< 6 watts
SNMP MIB Support	RFC1650/EtherLike-MIB RFC1493/Bridge-MIB RFC1573/IANAifType-MIB RFC2669/DOCS-CABLE-DEVICE-MIB RFC2670/DOCS-IF-MIB INET-ADDRESS-MIB RFC1650/EtherLike-MIB DOCS-SUBMGT-MIB USB-MIB (experimental)	
Additional DOCSIS Support	Baseline privacy Concatenation Local CPE read-only SNMP Local CPE WWW-based diagnostics True frequency downstream acquisition	