



# Zoom Cable Modem

## Model 5241

**Supports DOCSIS 2.0, 1.1 and 1.0**

**Delivers speeds up to 42 Mbps**

**Flexible, easy installation using either a USB or Ethernet port**

**Can be placed either horizontally, or vertically using a fold-out base**

**Certified by CableLabs**

**Works with networking devices, including routers, wireless networks and Voice over IP phone adapters.**

**Windows, Macintosh, Linux and Unix compatible**

**Includes both USB and Ethernet cables**

**Five year warranty**

The Zoom Cable Modem 5241 is designed to work with virtually any computer or cable service provider. The 5241 includes both Ethernet and USB ports to assure compatibility and easy installation with Windows, Macintosh, Linux, and Unix computers. The Model 5241 supports the DOCSIS 2.0, 1.1 and 1.0 standards used by the vast majority of cable service providers worldwide. And the Zoom modem automatically establishes the DOCSIS service level available from the service provider's equipment. With its easy installation and broad compatibility, the Zoom Cable Modem is the right choice for almost any cable modem user.

Data over cable service providers are supported with remote and local diagnostic capability, remote firmware downloads and Simple Network Management (SNMP) support. The Model 5241 is supported by Zoom Technologies, a leading producer of modems and other communications products since 1977.

### Features

- Easy installation with both USB and Ethernet connectors
- Support for all popular operating systems
- Microsoft WHQL certified
- DOCSIS Baseline Privacy Plus and 56 bit encryption provides privacy and security
- Highly integrated design for superior reliability
- Experienced technical support for both consumers and service providers
- SNMP and DOCSIS MIB support allowing remote software upgrades
- Advanced diagnostic software and firmware
- Certified by CableLabs® and works with AOL Time Warner®, AT&T® Broad band®, Cox® High Speed Internet, Comcast® High Speed Internet and other cable service providers.

## Cable Modem Operating Parameters

	Downstream	Upstream
Frequency	91 to 857 MHz	5 to 42 MHz
Data Rate	Up to 42 Mbps	Up to 10.2 Mbps
Modulation	4/16/32/64/128/256/512/1024 QAM	QPSK, 8/16/32/64/128QAM
Error Correction	Reed-Solomon decoding RS(128, 122) GF 128 with Trellis coding	Reed-Solomon encoding
Channel Bandwidth	6 MHz	TDMA 200/400/800/1600/3200/6400 KHz S-CDMA 1600/3200/6400/ KHz
Signal Level	-15 to +15 dBmV	TDMA +8 to +58 dBmV (QPSK) +8 to +55 dBmV (16QAM) +8 to +54 dBmV (64QAM) S-CDMA +8 to +53 dBmV (all modulation)
Security	DOCSIS Baseline Privacy Plus: 1024-bit RSA and 128-bit Triple-DES for BPKM protocol 56- bit DES for data encryption X.509 V3 certificate	

## Operating and Environmental Parameters

Power Input	9 VDC @ 0.8A
Operating Temperature	32° F to 104° F (0° to 40° C)
Dimensions	6" (15.2 cm) x 4.4" (11.2. cm) x 1" (2.5 cm)
Weight	7.9 oz. (.22 kg)
System Requirements	<ul style="list-style-type: none"><li>• DOCSIS cable data service and coaxial cable connection</li><li>• Windows XP, Me, 98, 98SE or 2000 computer with USB port,</li></ul> <b>OR</b> <ul style="list-style-type: none"><li>• Any computer with an Ethernet port</li></ul>
Standards	DOCSIS 1.1, 2.0 certified. Compatible with DOCSIS 1.0
Ports	Ethernet, USB, Cable, power adapter input
Cable Types	Cable: F-type female 75 ohm Ethernet: 10/100 RJ45 jack USB: Universal Serial Bus Standard 1.1
LED Indicators	Power, DS (Downstream), US (Upstream), ONLINE (LAN), LINK
Approvals	FCC Part 15B, UL, C-UL, CE
Supplied with	<ul style="list-style-type: none"><li>• 6' (1.8m) category-5 10/100 ethernet cable</li><li>• 4' USB cable</li><li>• Power supply and cord (110VAC / 60 Hz or 230VAC / 50 Hz)</li><li>• User's manual</li><li>• User documentation</li><li>• CD with software and documentation</li></ul>



**International Headquarters**  
Zoom Technologies, Inc.  
207 South Street  
Boston, MA 02111 USA  
Tel: 617 423-1072  
Fax: 617 423-3923

**European Sales/Support**  
Zoom Technologies, Inc.  
Central House  
2 Kings Road  
Fleet, Hants  
GU51 3AD UK  
Tel: +44 (0) 1252 582000  
Fax +44 (0) 1252 617920

**www.zoom.com**  
**email: sales@zoom.com**  
**Nasdaq: ZOOM**