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

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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.

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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® Broadband®, Cox® High Speed Internet, Comcast® High Speed Internet and other cable service providers.
**Cable Modem Operating Parameters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Downstream</th>
<th>Upstream</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency</strong></td>
<td>91 to 857 MHz</td>
<td>5 to 42 MHz</td>
</tr>
<tr>
<td><strong>Data Rate</strong></td>
<td>Up to 42 Mbps</td>
<td>Up to 10.2 Mbps</td>
</tr>
<tr>
<td><strong>Modulation</strong></td>
<td>4/16/32/64/128/256/512/1024 QAM</td>
<td>QPSK, 8/16/32/64/128QAM</td>
</tr>
<tr>
<td><strong>Error Correction</strong></td>
<td>Reed-Solomon decoding</td>
<td>Reed-Solomon encoding</td>
</tr>
<tr>
<td><strong>Channel Bandwidth</strong></td>
<td>6 MHz</td>
<td>TDMA 200/400/800/1600/3200/6400 KHz</td>
</tr>
<tr>
<td><strong>Signal Level</strong></td>
<td>-15 to +15 dBmV</td>
<td>TDMA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+8 to +58 dBmV (QPSK)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+8 to +55 dBmV (16QAM)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+8 to +54 dBmV (64QAM)</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>DOCBSIS Baseline Privacy Plus: 1024-bit RSA and 128-bit Triple-DES for BPKM protocol</td>
<td>X.509 V3 certificate</td>
</tr>
<tr>
<td></td>
<td>56-bit DES for data encryption</td>
<td></td>
</tr>
</tbody>
</table>

**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**:
  - DOCSIS cable data service and coaxial cable connection
  - Windows XP, Me, 98, 98SE or 2000 computer with USB port, OR
  - Any computer with an Ethernet port
- **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**:
  - 6’ (1.8m) category-5 10/100 ethernet cable
  - 4’ USB cable
  - Power supply and cord (110VAC/ 60 Hz or 230VAC/ 50 Hz)
  - User’s manual
  - User documentation
  - CD with software and documentation