The Zoom Model 5354 Cable Modem/Router with Wireless-N supports cable modem speeds up to 343 Mbps. With its high speed and IPv4 and IPv6 networking support, this is a product designed and built for use today and for years to come. The embedded router with Wireless-N support continues the high-performance with 300 Mbps 2 X 2 MIMO for the range, wireless speeds and networking support needed for multimedia, Internet video and high-performance networking in a home or office.

DOCSIS 3.0 cable performance allows bonding of up to eight channels on downloads and four channels on uploads when used with the latest cable systems. A Full-band Capture Digital Tuner lets cable services deliver faster, more reliable Internet. Cable modem performance has been tested and approved by CableLabs®, the industry’s non-profit test and certification authority. Additional testing and approvals have been obtained from Comcast®, Time Warner Cable® and other leading cable service providers.

Features of the Model 5354 include:

- DOCSIS 3.0 performance with CableLabs® certification
- Up to 8 Downstream channels and 4 Upstream channels, for speeds as high as 343 Mbps on downloads and 123 Mbps on uploads with a Full-band Capture Digital Tuner.
- Provides shared high-speed Internet over cable to:
  - WiFi®-compatible wireless 802.11n, g, and b devices, including computers, smart TVs, smartphones and tablets
  - Devices with an Ethernet port, including computers and game stations
- Easy setup and management with Universal Plug and Play (UPnP), WPS wireless security setup, and browser-based management
- An integrated four-port 10/100/1000 Mbps (Gigabit) Ethernet switch
- Two USB ports with support for DLNA-certified media servers and network attached storage
- Includes an advanced firewall and wireless security
- Two-year warranty and support from Zoom, a USA-based leader in communications since 1977
- Broadcom BCM3383G chipset

Specifications

Cable modem service interface: F-type female 75 Ω (standard coaxial connector)

Operating parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Downstream</th>
<th>Upstream</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data rate</td>
<td>Up to 343 Mbps (8 channels)</td>
<td>Up to 123 Mbps (4 channels)</td>
</tr>
<tr>
<td>Frequency</td>
<td>88 to 1002 MHz (edge to edge)</td>
<td>5 to 42 MHz (edge to edge)</td>
</tr>
<tr>
<td>Modulation</td>
<td>64 or 256 QAM</td>
<td>OPSK and 8, 16, 32, 64, 128, 256 QAM</td>
</tr>
<tr>
<td>Channel bonding</td>
<td>Up to 8 channels</td>
<td>Up to 4 channels</td>
</tr>
<tr>
<td>Operating level range</td>
<td>-15 to +15 dBmV</td>
<td>A-TDMA: +8 to +54 dBmV (32QAM, 64QAM)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>+8 to +58 dBmV (QPSK)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>S-CDMA: +8 to +53 dBmV (all modulations)</td>
</tr>
</tbody>
</table>

Status indicators: Power, Downstream Link, Upstream Link, Online Status, 4 Ethernet LAN, Wireless Link, 2 USB ports, WPS

Ethernet LAN interface: 4 X RJ-45 10/100/1000 Mbps Ethernet, with Auto-MDI/MDIX

USB interfaces: 2 X USB 2.0 with UPnP and support for DLNA media servers and network attached storage
343Mbps 8x4 DOCSIS 3.0
Cable Modem/Router with Wireless-N and Gigabit Ethernet

Specifications (continued)

Wireless:
- 802.11n/g/b, 2X2 MIMO (Multiple Input Multiple Output)

Network addressing:
- IPv4 and IPv6

Router mode:
- Dynamic DNS
- DHCP Server and Client
- NAT
- Bridging
- Port Forwarding/DMZ support
- RIP V1 and V2
- Support for up to 253 client devices
- Quality of Service (QoS) support

Management:
- SNMP v1, v2, v3

Security:
- Stateful Packet Inspection [SPI]
- VPN passthrough: PPTP, IPsec tunneling
- Parental Control
- Attack Protection
- Password protected system management
- IP/MAC/Port filtering
- Denial of Service Notification
- Wireless MAC address filtering
- Supports Baseline Encryption [BPI] Management
- Universal Plug and Play [UPnP]
- Cable modem diagnostic log

Wireless networking and security:
- Compliant with IEEE 802.11n, g, and b standards
- Up to 300 Mbps wireless data rate*
- 2 X 2 Transmit/Receive, MIMO
- 2.4 GHz - 2.484 GHz frequency range
- WDS
- WMM/WME
- WPA-PSK/WPA2-PSK
- WPA/WPA2
- WEP-64/128
- TKIP/AES
- WPS
- 802.1x Authentication
- 8 SSIDs
- Wireless Quality of Service
- Transmit power: 20dBm
- Two internal antennas

Size: 9.5" high x 6.5" wide x 1.25" deep (24.1 x 16.5 x 3.2 cm)

Weight: 1.25 pounds (.57 kilogram)

Power adapter: 110V/220 VAC 50/60 Hz input into power adapter. 12 Volt 2 Amp output. NEMA 5-15 (North American style) plug is standard. Other plugs are available.

Operating temperature: 0° C to 50° C

System requirements:
- The cable modem must be connected to a cable modem service that uses any of the DOCSIS standards — 3.0, 2.0, or 1.1.
- Directly connected devices, such as computers, switches, and HomePlug adapters, must have an Ethernet port.
- Devices connected wirelessly must have wireless-N, wireless-G, or wireless-B capability.

Warranty: Two years


Package contents:
- DOCSIS 3.0/2.0/1.1 cable modem
- Power cube
- Stand
- Ethernet cable
- Quick Start Flyer

*300 Mbps is the maximum speed derived from IEEE Standard 802.11 specifications. Actual speeds will vary.