



343Mbps 8x4 DOCSIS 3.0

Model 5354

Cable Modem/Router

with **Wireless-N** and **Gigabit Ethernet**

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:

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

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

Cable Modem/Router with **Wireless-N** and **Gigabit Ethernet****Specifications** (continued)

Wireless:	<ul style="list-style-type: none"> • 802.11n/g/b, 2X2 MIMO (Multiple Input Multiple Output)
Network addressing:	<ul style="list-style-type: none"> • IPv4 and IPv6
Router mode:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • SNMP v1, v2, v3
Security:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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
Approvals:	FCC 15B and 15C, Bureau Veritas for IEC 60950-1:2005 (2nd Ed.) safety, CE, Industry Canada, CableLabs®
Package contents:	<ul style="list-style-type: none"> • DOCSIS 3.0/2.0/1.1 cable modem • Power cube • Stand • Ethernet cable • Quick Start Flyer

**Cable Modem/Router Back Panel** (not shown actual size)

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



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