



DOCSIS 3.0

Cable Modem/Router with Wireless-N

Model 5352

The Zoom 5352 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. DOCSIS 2.0 and 1.1 support provides compatibility with older cable systems. 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®, Cox® and other leading cable service providers.



Features of the Model 5352 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 full band capture front end
- 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 Ethernet switch
- Supports IPv6 and IPv4 for powerful, flexible network addressing
- Includes an advanced firewall and wireless security
- Two adjustable-position external antennas for extended wireless networking range
- Flexible cable modem orientation – horizontal, or vertical using the built-in swivel stand
- Two-year warranty and support from Zoom, a USA-based leader in communications since 1977

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, WPS

Specifications (continued)

Ethernet LAN interface:	4 X RJ-45 10/100/1000 Mbps Ethernet, with Auto-MDI/MDIX	
Wireless:	802.11n/g/b, 2X2 MIMO (Multiple Input Multiple Output)	
Network addressing:	IPv4 and IPv6	
Router mode:	<ul style="list-style-type: none"> • Dynamic DNS • DHCP Server and Client • NAT (Network Address Translation) • Bridging 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Denial of Service Notification • Wireless MAC address filtering • Supports Baseline Encryption (BPI) Management • Universal Plug and Play (UPnP) • Cable Management 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 • WEP-64/128 • WPA/WPA2 	<ul style="list-style-type: none"> • WPA-PSK/WPA2-PSK • WPS • 802.1x Authentication • 8 SSIDs • Wireless Quality of Service • Transmit power: 20dBm • Two adjustable-position external antennas (2 dBi)
Size:	1 $\frac{1}{16}$ " (H) (exclusive of antennas) X 8" (W) X 7" (D) Antennas 3 $\frac{3}{8}$ " high	
Weight:	16.8 ounces	
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, 15C, Bureau Veritas for IEC 60950-1:2005 (2nd Ed.) safety, CableLabs®	
Package contents:	<ul style="list-style-type: none"> • DOCSIS 3.0/2.0/1.1 cable modem • Power adapter 	<ul style="list-style-type: none"> • 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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