



DOCSIS 3.0

Cable Modem/Router with Wireless-N

Model 5350

The Zoom 5350 Cable Modem/Router with Wireless-N is powerful, easy to install, and approved for use on cable services throughout the United States. The 5350 supports the fastest available cable modem speeds available today with performance to deliver up to 343 Mbps for the future. And with 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 2 X 2 MIMO for the range, wireless speeds and networking support needed for multimedia, Internet video and high-performance networking in your 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.

Features of the Model 5350 include:

- DOCSIS 3.0 performance and CableLabs certification to work with all US cable modem services, including DOCSIS 3.0, 2.0 and 1.1 services
- Up to 8 Downstream channels and 4 Upstream channels, for speeds as high as 343 Mbps on downloads and 143 Mbps on uploads
- Provides shared high-speed Internet over cable to:
 - WiFi compatible wireless 802.11 n, g, and b devices
 - 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 Ethernet switch
- Supports IPv6 and IPv4 for powerful, flexible network addressing
- Includes an advanced firewall and wireless security
- Two-year warranty and support from Zoom, a USA-based leader in communications since 1977



Specifications

Cable modem service interface	F-type female 75 (ohm sign) (standard coaxial connector)	
Operating parameters	<u>Downstream</u>	<u>Upstream</u>
Data rate:	Up to 343 Mbps (8 channels)	Up to 143 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 QAM
Channel bonding:	Up to 8 channels	Up to 4 channels
Operating level range:	-15 to +15 dBmV	A-TDMA: +8 to +57 dBmV (32QAM, 64QAM) +8 to +58 dBmV (8QAM, 16QAM) +8 to +61 dBmV (QPSK) S-CDMA: +8 to +56 dBmV (all modulations)
DHCP client		
Status indicators	Power, Downstream Link, Upstream Link, Online Status, USB, Wireless Link, WPS, 8 Ethernet	

Ethernet LAN interface	4 X RJ-45 10/100/1000 Mbps Ethernet, with Auto-MDI/MDX	
USB port	Manufacturer's use only	
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 • NAT (Network Address Translation) • Bridging • IP fragmentation and reassembly 	<ul style="list-style-type: none"> • NTP (Network Time Protocol) • Port Forwarding/DMZ support • RIP V1 and V2 • Support for up to 253 client devices
Security	<ul style="list-style-type: none"> • Stateful Packet Inspection (SPI) • VPN passthrough: PPTP, IPsec tunnel • Parental Control • Attack Protection • Password protected system management • IP/ MAC/Port filtering 	<ul style="list-style-type: none"> • Denial of Service Protection • Wireless MAC address filtering • Supports Baseline Encryption (BPI) Management • SNMP v1, v2, v3 • 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, ISM Band • Wireless Distribution System (WDS) • Wireless Multimedia (WMM/WME) • 64/128 bit Wired Equivalency Protection (WEP) with Pass Phrase • Wi-Fi Protected Access (WPA2, WPA) with Pre-Shared Key • Wi-Fi Protected Security (WPS) • 802.1x Authentication • 8 SSIDs • Wireless Quality of Service • Transmit power: 20dBm • Two internal antennas 	
Size	8.7" (H) X 6.7" (W) X 3.1" (D)	
Weight	20.1 ounces	
Power adapter	110V/220 VAC 50/60 HZ input into integrated power adapter	
Operating temperature	0 (degree) C to 50 (degree) 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 part 15B and 15C, UL, CableLabs	
Package contents	<ul style="list-style-type: none"> - DOCSIS 3.0/2.0/1.1 cable modem - Power cord - Ethernet cable - CD ROM - Quick Start Flyer 	



Cable Modem/Router Back Panel

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



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