DOCSIS 3.0 16x4
# Cable Modem

**ZOOM**®

The Zoom Model 5370 cable modem meets the cable industry's DOCSIS 3.0 standard for speeds up to 686 Mbps, and also works with lower-speed DOCSIS 2.0 and 1.1 services. Full-Band Capture Digital Tuning allows service providers to offer more channels and accelerate downloads. The Model 5370 has been tested and certified by CableLabs® to work with nearly all U.S. cable services.

This modem can be plugged into any Windows, Mac, or Linux computer with an Ethernet port. The Model 5370 can also be plugged into routers and routers with wireless capability for sharing of your high-speed service with multiple devices. With its easy installation, very high speed, and broad compatibility, the Model 5370 is the perfect choice for almost any cable modem user.

## Features of the Model 5370 include:

- **Easy installation**

- **Fast data speed**
  Up to 686 Mbps downstream and 123 Mbps upstream with bonding of up to sixteen channels downstream and four channels upstream
  Full-Band Capture Digital Tuning lets service providers deliver faster, more reliable Internet.

- **Fast 10/100/1000 Base-T Ethernet connectivity**
  To support the very fast DOCSIS 3.0 data transfers and provide compatibility and easy installation with almost any Windows, Mac or Linux computer, as well as both wired and wireless routers

- **Supports IPv4 and IPv6**
  Support for the latest Internet addressing keeps your equipment current

- **Five status-reporting LEDs**
  Power, Downstream, Upstream, Online, and LAN lights allow easy status monitoring.

- **DOCSIS 3.0 compatible, and compatible with earlier standards**
  Provides support for the latest data-over-cable standard DOCSIS 3.0, as well as DOCSIS 1.1 and 2.0, to ensure operation with the fastest available services and compatibility with all U.S. operators.
  DOCSIS (Data Over Cable Service Interface Specification) is the industry standard for transmission of Internet data over cable-based systems in the U.S. and many other countries. Check with your service provider to ensure they use the DOCSIS standard.

- **SNMP v1/v2/v3**

- **Compact, space-saving design**

- **Experienced, U.S.-based technical support for both consumers and service providers**

- **Certified by CableLabs®**

- **Two year warranty and U.S. support from Zoom Telephonics, a leader in communications products since 1977**

# Specifications

## General

| | |
|---|---|
| Cable modem service interface: | F-type female 75 Ω (standard coaxial connector) |
| Ethernet LAN interface: | RJ-45 10/100/1000 Mbps Ethernet, with Auto-MDI/MDIX |
| Status indicators: | Power, Downstream link, Upstream link, Connection Status, Ethernet link |
| Size: | 6.875" high x 5.375" x 1.5" (17.5 x 13.7 x 3.8 cm) |
| Weight: | 10.4 ounces (294.84 grams) |
| Power adapter: | Level VI energy-saving, switching power supply with 12 Volt DC, 1 Amp output. NEMA 5-15 (North American style) plug is standard. Other plugs are available. |
| Operating temperature: | 32° to 104° F (0° to 40° 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, 1.1<br>- An available Ethernet port on a Windows, Mac, or Linux computer, or an available WAN Ethernet port on a wired or wireless router |
| Approvals: | FCC part 15B, Bureau Veritas 60950-1 ITE Safety, CableLabs® |
| Warranty: | Two years |
| Package contents: | Cable modem, power cube, Ethernet cable, Quick Start flyer |

## Operating Parameters

Downstream:

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|---|---|
| Data rate*: | Up to 686 Mbps (16 channels), Up to 43 Mbps (single channel) |
| Frequency: | 88 to 1002 MHz (edge to edge) |
| Modulation: | 64 or 256 QAM |
| Operating level range: | -15 to +15 dBmV |

Upstream:

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|---|---|
| Data rate*: | Up to 123 Mbps (4 channels), Up to 31 Mbps (single channel) |
| Frequency: | 5 to 42 MHz (edge to edge) |
| Modulation: | QPSK, 8QAM, 16QAM, 32QAM, 64QAM,128QAM, 256QAM |
| Operating level range: | A-TDMA: +8 to +54 dBmV (32QAM, 64QAM)<br>            +8 to +58 dBmV (QPSK)<br>S-CDMA: +8 to +53 dBmV (all modulations) |

| | |
|---|---|
| Security: | DOCSIS 3.0 Security (BPI+, EAE, SSD) |

Networking:

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|---|---|
| Network protocols: | IPv4, IPv6, TCP, UDP, ARP, ICMP, DHCP, FTP, TFTP, SNMP, HTTP |
| Application protocol: | SNMP v1/v2/v3 |
| DHCP client: | Automatically retrieves IP and DNS server address from DHCP server at ISP |
| ToD (RF868): | ToD support for local and MSO time synchronization |
| TFTP client: | TFTP support for cable modem configuration file download |
| Management: | Web-based management interface utility |
| Core chipset: | Broadcom BCM33843D |

**Cable Modem Back Panel**

* Data throughput will be reduced by network overhead. Delivered data speeds are also dependent upon the configuration and capacity of the data-over-cable service on which the 5370 is used.