# DOCSIS 3.0 Cable Modem

The Zoom Model 5341 cable modem meets the cable industry's DOCSIS 3.0 standard for speeds up to 343 Mbps, and also works with lower-speed DOCSIS 2.0 and 1.1 services. And with IPv4 and IPv6 networking support, this is a product designed and built for use today and for years to come. The Model 5341 has been tested and certified by CableLabs to work with nearly all U.S. cable services.

This modem can be plugged into any Windows, Macintosh or Linux computer with an Ethernet port. The Model 5341 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, high speed, and broad capability, the Model 5341 is the perfect choice for almost any cable modem user.

## Features:

- **Easy Installation**

- **Fast data speeds**
  Up to 343 Mbps downstream and 123 Mbps upstream with bonding of up to eight channels on downloads and four channels on uploads

- **Fast 10/100/1000Base-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 future of Internet addressing keeps your equipment current

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

- **DOCSIS 3.0 compatible, as well as 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 US operators.

  DOCSIS (Data Over Cable Service Interface Specification) is the industry standard for transmission of Internet data over cable-based systems in the US and many other countries. Check with your service provider to ensure they use the DOCSIS standard.

- **Extensive SNMP management support**
  Includes MIB-II, Ethernet - Like MIB, Bridge MIB, Cable Device MIB, Baseline Privacy Interface MIB, RF Interface MIB

- **Flexible Cable Modem Orientation-**Horizontal or vertical using the 5341Modem Stand

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

- **Certified by CableLabs**

- **Two year warranty**

## Model 5341

## Zoom DOCSIS 3.0 Cable Modem



### Specifications

| | |
|---|---|
| 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, Ethernet link, Connection Status |
| Size | 6.3 X 4.9 X 1.3 inches (16 X 12.4 X 3.3 cm) |
| Weight | 8.7 ounces (246 grams) |
| Power adapter | Level 4 energy-saving, switching power supply with 12 Volt DC, 1 Amp output |
| 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 |
| | - An available Ethernet port on a Windows, Macintosh, or Linux computer, or an available Ethernet port on a wired or wireless router. |
| Approvals | FCC part 15B, US safety (BV), CE, CableLabs® |

### Operating Parameters

| | Downstream | Upstream |
|---|---|---|
| Data Rate* | Up to 343 Mbps (8 channels)<br>Up to 42.844 (single channel) | Up to 123 Mbps (4 channels)<br>Up to 35.84 Mbps (single channel) |
| Frequency | 88 to 866 MHz (edge to edge) | 5 to 85 MHz (edge to edge) |
| Modulation | 64 or 256 QAM | QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM |

| | |
|---|---|
| Frequency search cache | 4 entries |
| Frequency search channel plan | 6 MHz step |
| Security | DOCSIS 3.0 Security (BPI+, EAE, SSD) |
| Bandwidth | DOCSIS 2.0<br>    TDMA: 200, 400, 800, 1600, 3200, 6400 KHz<br>    S-CDMA: 1600, 3200, 6400 KHz<br>DOCSIS 3.0<br>    TDMA: 1600, 3200, 6400 KHz<br>    S-CDMA: 1600, 3200, 6400 KHz |
| Maximum Number of CPEs | 32 MAC addresses |
| Network Protocol | |

Network protocols:  IP / TCP / UDP / ARP / ICMP /DHCP / TP / 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 BCM3382DKFBG |

### Package contents:

- Cable Modem
- Modem Stand
- Power Cube
- Ethernet Cable
- Quick Start Flyer

\* 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 5341 is used.

**International Headquarters**
Zoom Telephonics, Inc.
207 South Street
Boston, MA 02111
USA
Tel: 617 423-1072
Fax: 617 423-3923

**European Sales/Support**
Zoom Telephonics, Inc.
Centaur House
Ancells Business Park
Ancells Road
Fleet, Hants
GU51 2UJ    UK
Tel: +44 (0) 1235 768732

**Ventas América Latina**
Zoom Telephonics Inc.
10237 Clubhouse Turn Rd.
Wellington, FL, 33449, USA
Tel. 1-561-357-9339
Fax 1-561-357-9660

**email: sales@zoomtel.com**
**Website: www.zoomtel.com**
**OTCBB: ZMTP**