



Zoom® CableModem™

Internal Cable Modem

for Windows and Linux Systems

- Access the Internet at speeds up to 100 times faster than dial-up modems.
- Provides an always-on Internet connection for instant access
- Eliminates Internet traffic on your phone line.
- DOCSIS 1.0 tested and certified for operation with industry standard cable networks
- Can be upgraded to DOCSIS 1.1 automatically by your cable service provider
- @Home Level 2 tested and approved for interoperability, compatibility and performance
- Economical solution for Windows and Linux based desktop computers
- Internal design saves desk space
- Easy Plug-and-Play installation for Windows XP, Me, 2000, & 98
- Unique Zoom Cable Modem Monitor provides network troubleshooting software
- Includes ZoneAlarm™ personal firewall and AdSubtract™ ad blocker software
- Ideal for embedded solutions and system builders

The **Zoom CableModem Model 5001** internal is Zoom's most economical cable modem. The space saving internal design plugs into an available slot on Windows desktop computers, providing a highly reliable connection and eliminating the need for an Ethernet network card. Installation software is provided for easy plug-and-play installation with Windows XP, Me, 2000 and 98 systems. In addition, Zoom's unique CableModem Monitor Software provides user-friendly troubleshooting if problems are encountered on the network.

The Model 5001 has been CableLabs certified as fully compliant with the Data Over Cable System Interface Specification 1.0 (DOCSIS 1.0), ensuring interoperability and a high level of performance with industry-standard cable systems. In addition, the modem has received @Home Level 2 Approval to certify that the modem complies with broad industry standards for interoperability, compatibility and performance. The cable modem supports up to fifteen PCs and a data rate of up to 42 Mbps downstream from the service provider and 10.2 Mbps upstream.

The package includes ZoneLabs' ZoneAlarm personal firewall software, AdSubtract ad blocker/cookie filter software, and a user's manual. The Model 5001 is software upgradeable to DOCSIS 1.1, with the necessary hardware, software and Digital Certificates built into the modem to support 1.1 enhancements.

Data over cable service providers are supported further with remote and local diagnostic capability, remote firmware downloads and SNMP support. Linux drivers are available for system developers.



Model 5001



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Model 5001 Technical Specifications

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Features

- Easy installation
- CableLabs Certified
- @Home Level 2 Approved
- 56 bit encryption provides privacy and security
- Highly integrated design for superior reliability
- Experienced technical support for both consumers and service providers
- SNMP, DOCSIS MIB and MAC-14 configuration file download to support remote software upgrades
- Includes encrypted security key for DOCSIS 1.1 field upgrades
- Advanced diagnostic software and firmware
- Backed by over twenty years of experience in computer communications

Cable Modem Operating Parameters

	Downstream	Upstream
Frequency	91 to 857 MHz	5 to 42 MHz
Data Rate	Up to 42 Mbps	Up to 10.2 Mbps
Modulation	64QAM / 256 QAM	QPSK / 16QAM
Error Correction	Reed-Solomon decoding (ITU J.38 Annex B)	Reed-Solomon encoding
Channel Bandwidth	6 MHz	200/400/800/1600/3200 KHz
Signal Level	-15 to +15 dBmV	+8 to +58 dBmV (QPSK) +8 to +55 dBmV (16QAM)

Operating and Environmental Parameters

Power Requirements	PCI bus 5, 12 V or PCI bus 5.V, 3.3V, 12V
Power Consumption	5V 3W, 12V 3W or 5V 2W, 3.3V 1W, 12V 3W
Operating Temperature	0° to 40° C
Dimensions	7.4" (18.8 cm) Width x 5." (12.7 cm) Height (PCI slot format)
Regulatory	FCC Part 15, Class B; UL, C-UL; EN 55022, Class B; EN 55024; EN 60950
System Requirements	<ul style="list-style-type: none">• DOCSIS cable data service• Computer with available PCI slot and Windows XP, Me, 2000 or 98 operating system• Cable with coaxial connectors
Supplied with	<ul style="list-style-type: none">• User's Manual• CD-ROM with software including ZoneLabs ZoneAlarm personal firewall, AdSubtract ad blocker / cookie filter



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