



DOCSIS/EURODOCSIS 3.0 CABLE MODEM

HIGH-SPEED INTERNET CONNECTION

Latest DOCSIS/EuroDOCSIS 3.0 standards provide transmission of up to 320Mbps downstream, 120Mbps upstream ¹

PRACTICAL DESIGN

New generation housing with vertical polish design for upright deployment.

CableLabs APPROVED

DOCSIS CableLabs™ certified.

ULTIMATE PERFORMANCE

Powered by DOCSIS 3.0 channel bonding bandwidth technology, the DCM-301 DOCSIS/EuroDOCSIS 3.0 Cable Modem increases download speeds at up to 8 times more than DOCSIS2.0 for your enjoyment of popular Internet applications, such as file sharing, audio and video streaming, Internet TV and website uploading. ¹

DOCSIS COMPATIBILITY

The DCM-301 Cable Modem makes broadband your connection more efficient and effective by clearing network congestion, resulting in a boost in download speeds. With the DCM-301, you will get more out of your broadband connection with increased bandwidth and enhanced performance. The DCM-301 Cable Modem is DOCSIS CableLabs Certified, which ensures compatibility with all DOCSIS compatible cable providers. The DCM-301 is also backwards compatible with DOCSIS/EuroDOCSIS 2.0/1.1/1.0 standards.

INTEGRATED HOME SERVICES

The DOCSIS 3.0 standard provides speeds fast enough to support the integration of services in the home such as digital television and video on demand. DOCSIS 3.0 provides users with a more complete technology for home entertainment and communication.

WHAT THIS PRODUCT DOES

The DMC-301 high-speed DOCSIS/EuroDOCSIS 3.0 Cable Modem brings the ultimate performance from your "always-on" broadband connection.

GET CONNECTED, STAY CONNECTED

Ethernet connectivity, and DOCSIS/EuroDOCSIS CableLabs certified. Connect with confidence to a certified cable Internet provider with the DCM-301 Cable Modem and enjoy a new and enhanced broadband experience.



TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- + DOCSIS 3.0 Certified
- + Backward DOCSIS/EuroDOCSIS 2.0/1.1/1.0 Compliant
- + IEEE 802.3/802.3u 10/100/1000BASE-TX Ethernet
- + IPv6 Support

INTERFACES

- + 10/100/1000BASE-TX Ethernet Port (Auto MDI/MDIX)
- + CATV-Coaxial Female Connector

DATA SPEED DOWNSTREAM RECEIVER

- + Demodulation: 64/256QAM
- + No. of Channel Bonding: 8
- + Max. Speed: 300Mbps (64QAM) / 340Mbps (256QAM) (theoretical)
- + Frequency Range: 50 to 1002 MHz +/-30KHz (Center)
- + Bandwidth: 6MHz/8MHz (Euro)
- + Signal Level: -15dBmV to +15dBmV (Automatically Gain Controlled by CM)

DATA SPEED UPSTREAM RECEIVER

- + Modulation: 64/256QAM
TDMA: QPSK, 8QAM, 16QAM, 32QAM, 64QAM
S-CDMA: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM
- + No. of Channel Bonding: 4
- + Max Speed: 130Mbps (theoretical)
- + Frequency Range: 5 to 42MHz (edge to edge)

POWER INPUT

100-240Vac, 50/60Hz

POWER OUTPUT

DC 12V/1.25A

OPERATIONAL SUPPORT SYSTEM

- + Protocol: ICMP/SNMP V1, V2c, V3
- + MIB: MIB II/MCNS MIB

DIAGNOSTIC LEDS

- + Power
- + Downstream
- + Upstream
- + Status
- + Ethernet

DIMENSIONS

142 (W) x 107 (H) x 60 (D) mm

WEIGHT

220 grams

OPERATING TEMPERATURE

0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

-20° to 60° C (-4° to 140° F)

OPERATING HUMIDITY

10% to 90%

CERTIFICATIONS

- + FCC part 15 Class B
- + CE
- + CableLabs™ DOCSIS 3.0 CW70

SAFETY

- + UL
- + CE

¹ Speeds may vary with Cable Service Operator. Please contact your cable provider for more information