

RCA's latest DOCSIS 2.0 certified cable modem, the DCM425 incorporates the latest generation of silicon. The DCM425 supports up to 16 upstream flows and improved data throughput rates. It represents a significant improvement of our DOCSIS product-line in a small form factor.

The 16 upstream flows allow operators to provide tiered data services and support more efficient traffic prioritization schemes for advanced services. The DCM425 allows symmetrical data transfer, and tripled upstream throughput.

The modem also integrates PropaneTM technology, enabling the connection of more Internet users without additional network bandwidth. RCA's case design is consistent throughout its product line of cable modems and gateways.

RCA's other broadband cable products include:

- DCW725: DOCSIS 2.0 ready 4-port Wireless Gateway
 DHG525: 2 lines PacketCable DOCSIS VoIP E-MTA
- 1 -Compared with a 56 kpbs analog telephone modem.
 Internet access sold separately.Microsoft Windows and the Windows logo are registered trademarks of Microsoft Corporation in the United States and/or other countries.
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- DOCSIS 1.0, 1.1, 2.0 certified.
- Bridging between the USB and Ethernet port.
- Easy access to advanced diagnostics web pages.
- USB port for easy installation.
- Reliable high-performance platform.
- Surf the Internet up to 100 times faster than a 56k analog Modem (1)

Technical Specifications

DOCSIS Based Design

The cable modem is certified to work on any DOCSIS based HFC cable system (DOCSIS1.0, DOCSIS1.1, or DOCSIS2.0).

Bridging

Allows simultaneous connection of two PCs and enables Ethernet and USB port data traffic bridging.

E-Z Start-Up Indicators

Easy-to-use LED lights on the front of the unit provide the user an intuitive mechanism for verifying the modem's operation and connectivity.

Simple-to-Use Illustrated Setup Guide

The guide steps users through the connections of thebroadband cable, electrical power, and Ethernet or USB cables.

Security

Supports BPI+ communications privacy to support secure data exchange between modems and cable operators' servers.

LED Administrative Disable indicator

Helps prevent unnecessary truck rolls.

Internal Web Pages

The DCM425 contains multiple integrated Web pages allowing direct access to information about the status of the modem and product settings including privacy and security.

Internet Security Button

Turning the modem off puts the modem into "standby" mode. The modem remains locked to the CMTS, responding to SNMP, enabling subscribers to resume activity quickly when toggled again.

The button serves as a security feature, assuring the customer that the PC-network connection is de-activated when the button is in the off position, alleviating security concerns of an "always on" connection.

Propane Technology

This advanced transport technology (Dynamic Payload Header Suppression) provides the subscriber with faster data transfers. It also allows operators to increase the number of subscribers on their network without affecting subscriber connection speeds. Under typical network conditions, both the subscribers and operators can benefit from more data bandwidth per customer, and of more voice channels for IP-telephony.

Fore more information Thomson | 46, quai Alphonse Le Gallo | 92100 Boulogne-Billancourt | France Tel.: 33 (0) 1 41 86 50 00 | Fax: 33 (0) 1 41 86 56 59 | www.thomson-broadband.com **CABLE**

OCSIS 1.0, 1.1, 2.0 capable	DOCSIS 2.0 Certified
Receiver	
Oownstream Modulation	64/256 QAM
enter Frequency Range	91-857 MHz
hannel Bandwidth	6 MHz
Maximum Downstream	27/38 Mbps {64QAM/256QAM}
ata Rate	
F Input Sensitivity	+15 to -15 dBmV
4QAM:>23.5dB,	BER <1e-8
56QAM:>30dB	
put Impedance	75 Ohm
ransmitter	
requency Range	5-42 MHz
lpstream Modulator	8/16/32/64/128 QPSK or QAM
Channel Bandwidth	200KHz, 400KHz, 800KHz, 1.6MHz,
	3.2MHz, 6.4 MHz
Maximum Upstream	Data Rate Max 5.12/10.24 Mbps {QPSK/16QAM},
	30Mbps with A-TDMA and S-CDMA
RF Output Level	+8 to +55 dBmV (16QAM);
	+8 to +58 dBmV (QPSK);
utomatic Level Adjust	Yes
ain Control Range	50dB
requency Stability	± 5 kHz
Output Impedance	75 Ohms
Gilicon support for quality	y of service
lumber of upstream flows	16 (Enables support for advanced
SIDs) supported	Quality of service support & tiered data services)
Software Features	
oftware Downloadable	Yes
rotocol Filtering	Ethernet & IP
NMP Management	V2, V3
ecurity	BPI+
rivacy	Through encryption between the gateway and the PC
ED Diagnostics	5 LEDs used for status
ocal configuration	Hardware, Software status
nrough http Server	Basic settings Advanced settings Firewall
Physical	
abinet Dimensions	4.96"(W) x 4.21"D x 1.5"H (126mmx 107mm x 39mm)
Packaging dimensions (inch)	11 3/4" (L) x 9 1/2" (D) x 3" (H)
Overpack dimensions (inch)	20 1/4" (L) x 153/4" (D) x 161/4" (H)
Approx. Shipping Weight	<3 lbs.

Overpack shipping Weight appr. 29 lbs Overpack Quantity Operating Temperature 32°F to 104°F (0°C to +40°C) Cables USB & Ethernet CD-ROM

Yes

I/O Interfaces

Drive

Ethernet 10Base-T or 100Base-T RJ45 - auto-detect RF Connector F-Type Power {Wall Pack} 120Vac 60Hz USB Port. 98SE, 2000. Me and XP OS Supported - Windows User Switches On/Off & Reset

PC Compatible 486DX 66MHz (Pentium Preferred) System RAM 16MB (32MB Preferred) Windows XP, Me, 2000 Operating System Available Disk Space 76 MB 16-Bit Sound Card VGA (SVGA Preferred) Video Ethernet 10 or 100 Base-T USB Windows 98SE or later

CD-ROM

