DCW725
Wireless Cable Modem Gateway

ALL IN ONE SOLUTION

RCA's latest DOCSIS wireless gateway, the DCW725 represents a further improvement of our DOCSIS product-line for additional services to the customer.
The DCW725 Gateway with integrated cable modem features wireless (802.11b/g) home networking and a range of extensive Ethernet and USB connectivity. Multiple local configuration capabilities make this RCA gateway ideal for residential and SOHO environments. RCA's case design is consistent throughout its product line of cable modems and gateways.

RCA's other broadband cable products include:
DCM425:   DOCSIS 2.0 ready cable modem
DHG525:   2 lines PacketCable DOCSIS VoIP E-MTA

▸ DOCSIS 1.0, 1.1, 2.0 certified
▸ 802.11g wireless connection capable of supporting 254 PC's at speed up to 54Mb/s
▸ 4 Ethernet ports, and USB 1.1 port for wired connectivity
▸ Security through a built-in stateful packet inspection firewall
▸ Privacy through WEP protocols (encryption between the gateway and the PC's)
▸ 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]

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.
The CL CABLELABS CERTIFIED and design mark, and the terms "Cable Labs Certified" or "Certified by CableLabs" are certification marks of Cable Television Laboratories, Inc. and cannot be used without authorization of Cable Television Laboratories, Inc.

A ◆ THOMSON BRAND

DCW725
Wireless Cable Modem Gateway

DOCSIS Based Design

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

Wi-Fi 802.11g

The DCW725 supports 802.11g at speed up to 54Mb/s. Five times faster than 802.11b Wi-Fi routers. Interoperates with 802.11 b devices at 11 Mb/s.

E-Z Start-Up Indicators

Easy-to-use LED lights on the front of the unit show the modem status. This provides the user the ability to verify modem operation and connectivity.

Simple-to-Use Illustrated Setup Guide

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

Security

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

Internal Web Pages

The DCW725 multiple web pages allow direct access to information about the status of the modem and to the product settings in particular privacy and security.

Technical Specifications

▶ Standards

•DOCSIS 1.0, 1.1, 2.0 capable

▶ Receiver

•Downstream Modulation	64/256 QAM
•Center Frequency Range	91-857 MHz
•Channel Bandwidth	6 MHz
•Maximum Downstream Data Rate	27/38 Mbps {64QAM/256QAM}
•RF Input Sensitivity	+15 to -15 dBmV
•64QAM:>23.5dB, 256QAM:>30dB	BER <1e-8
•Input Impedance	75 Ohm

▶ Transmitter

•Frequency Range	5-42 MHz
•Upstream 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) ;
•Automatic Level Adjust	Yes
•Gain Control Range	50dB
•Frequency Stability	± 5 kHz
•Output Impedance	75 Ohms

▶ Software Features

•Software Downloadable	Yes
•Protocol Filtering	Ethernet & IP
•SIDs (upstream flows)	16 upstream flows (enhanced Quality of Service)
•SNMP Management	V2, V3
•Security	BPI+
•Privacy	Through encryption between the gateway and the PC
•LED Diagnostics	9 LEDs used for status
•Local configuration through http Server	Hardware, Software status Basic settings Advanced settings Firewall

▶ Physical

•Cabinet Dimensions	8 1/8"(W) x 6"D x 2"H
•Packaging dimensions (inch)	11 3/4″ (L) x 9 1/2″ (D) x 3″ (H)
•Overpack dimensions (inch)	20 1/4″ (L) x 15 3/4″ (D) x 16 1/4″ (H)
•Approx. Shipping Weight	<3 lbs.
•Overpack shipping Weight appr.	29 lbs
•Overpack Quantity	10
•Operating Temperature	32°F to 104°F (0°C to +40°C)
•Cables	USB & Ethernet
•CD-ROM	Yes

▶ I/O Interfaces

•Wireless	802.11g standard connection at up to 54Mb/st
•Ethernet 10Base-T or 100Base-T	4 RJ45 ports – auto-detect
•RF Connector	F-Type
•Power {Wall Pack}	120Vac 60Hz
•Number of PCs Supported	254
•USB Port, OS Supported - Windows	98SE, 2000, Me and XP
•User Switches	On/Off & Reset

▶ PC Compatible

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

▶ Applications supported

•FTP	AOL & MSN Messenger
•Real Audio	Yahoo Messenger
•H.323	Go2Call
•ICQ	Hotline Server
•IPSec Passthru	Visual IRC
•Passthru Cu	Seeme
•L2TP	AT&T Instant Messenger Anyway
•TFTP MIRC	Active Worlds
•PIRCH	Buddy Phone
•MS NetMeeting	Calista IP Phone
•Net2phone	Delta Three PC to Phone
•Xircon	Dialpad Dwyco Video Conferencing
•Netscape Chat	OrbitIRC

For more information contact:

Mega Hertz
800-883-8839
sales@megahz.com
www.megahz.com

A ♦ THOMSON BRAND