



VoIP EMBEDDED CABLE MODEM ROUTER

2 INTERNET PHONE CONNECTIONS

2 FXS phone ports for 2 simultaneous Internet phone connections

HIGH-SPEED INTERNET ACCESS

DOCSIS/EuroDOCSIS compliant cable modem allows users to easily connect to and surf the Internet

FAST, RELIABLE CONNECTION

Efficient clearing of network congestion guarantees a smooth VoIP experience and enhanced broadband performance

EVERYTHING YOU NEED FOR A HOME

Get everything you need from the D-Link DCM-604 Cable Modem all-in-one EMTA. This all encompassing device includes an integrated high-speed cable modem, 2 VoIP phone connections, 4 Ethernet ports and 802.11g wireless access point enabled for LAN and WLAN connections. This Cable Modem router provides all the functions that your home needs to establish a fast, secure Internet connection, make and receive Internet calls, and enjoy digital media content with your family members.

FAST CABLE MODEM SPEED FOR CLEAR INTERNET PHONE

The DCM-604 enables users to access the Internet at high speeds and is also suitable for Internet phone calls. It includes the industry's latest voice over IP technology, is compatible with industry standard phone services and offers the latest communication features. With two FXS phone ports, it enables users to make two phone calls simultaneously through the connection of two phone sets. With this ability, the DCM-604 allows home and office users to make long-distance and international phone calls on the Internet and save phone charges.

PC INTERNET CONNECTION

The DCM-604 provides 4 Ethernet ports and wireless capabilities for easy connection to the Internet. Along with seamless Internet connectivity, other innovative features include top-notch voice support, simultaneous support for both voice and data communications, and the ability to share your broadband Internet connection with a group of users.

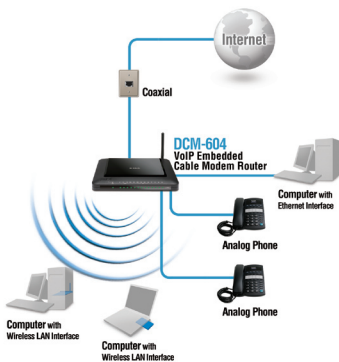
WHAT THIS PRODUCT DOES

The D-Link DCM-604 provides a comprehensive solution to accessing high speed Internet and to setting up Internet phone calls. Expect secure and reliable performance from the industry standard VoIP technology, built in FXS phone ports and integrated cable modem. Talk online with friends or family and enjoy online digital media while you surf the web uninterrupted with the high speed DCM-604 Cable Modem Router.

CLEAR, SMOOTH VOICE OVER THE INTERNET

The DCM-604 incorporates a high-speed cable modem and has voice support that includes hardware based Quality of Service (QoS) to ensure that voice quality received over the Internet is comparable to that of regular phone quality. It supports many useful functions such as dynamic latency buffers, silence suppression, comfort noise generation and features voice compression for most popular voice CODECS.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- + 1 F-type female 75 ohm connector
- + 2 RJ-11 Telephone Socket
- + 4 10/100 BASE-TX Ethernet ports
- + 1 USB 1.1 port
- + 802.11g module as AP in miniPCI interface
- + Power ON/OFF switch

HARDWARE FEATURES

- + PacketCable 1.5 Standard Compliant
- + DOCSIS/EuroDOCSIS 2.0 standard compliant
- + Support PacketCable MGCP (Media Gateway Control Protocol)
- + SIP (Session Initiation Protocol) Compliant
- + D4x Standard RJ-45 connector for 10/100BaseT Ethernet with auto-negotiation MDIX functions
- + USB 1.1 12Mbps
- + Two RJ-11 Foreign Exchange Station (FXS) ports for IP telephony
- + QoS enhancement
- + MSO SNMPv3 remote network management
- + Provide MIBs DOCSIS1.0/1.1/2.0
- + Support simultaneous voice and data communications
- + Echo Cancellation
- + Voice Active Detection (VAD)
- + Comfort Noise Generation (CNG)
- + Web browser Management auto detect network status
- + WPS (Wireless Protection Setup) Supported
- + Multi-SSID Supported
- + Parental Control Supported

RECEIVER

- + Demodulation 64/256QAM
- + Max Speed:
 - 30Mbps (64QAM) / 43 Mbps (256QAM) DOCSIS
 - 41.4Mbps (64QAM) / 55.2Mbps (256QAM) EuroDOCSIS
- + Bandwidth:
 - 6MHz DOCSIS
 - 8MHz EuroDOCSIS
- + Frequency Range:
 - 88 to 860MHz DOCSIS
 - 108 to 862MHz EuroDOCSIS

TRANSMITTER

- + Modulation:
 - QPSK, 8/16/32/64/128, 256QAM
- + Data Rate:
 - 30Mbps / TDMA
 - 35Mbps / SCDMA
- + Frequency Range:
 - 5MHz to 42MHz DOCSIS
 - 5MHz to 55MHz Japan
 - 5MHz to 65MHz EuroDOCSIS

- + Bandwidth:
 - 200KHz, 400KHz, 800KHz
 - 1600KHz, 3200KHz, 6400KHz
- + Output Signal Level:
 - 8 to +58dBmV (QPSK)
 - 8 to +54dBmV (64QAM)
 - 8 to +54dBmV (32QAM)
 - 8 to +53dBmV (S-CDMA)

Voice / Fax

- + Audio Codes:
 - G.711, G.729A, G.723.1, etc.
- + Echo Cancellation:
 - G.165/G.168 up to 16ms

NETWORK PROTOCOL

Standards

- + IP
- + TCP
- + UDP
- + ARP
- + ICMP
- + DHCP
- + TP
- + TFTP
- + SNMP
- + HTTP

Routing

- + DNS relay
- + DHCP server
- + RIP I&II

Internet Sharing

- + NAT
- + NAPT
- + DHCP server
- + DNS relay

OPERATING TEMPERATURE

0° to 40°C

STORAGE TEMPERATURE

-50° to 70°C

OPERATING HUMIDITY

10% to 90% RH

STORAGE HUMIDITY

5% to 95% RH

EMISSION (EMI) CERTIFICATIONS

- + FCC CLASS B,
- + CE MARK CLASS B