

DCM-200

DCM-200 cable modem provides high-speed broadband access to the Internet for a PC or LAN through the TV cable.

Broadband Cable Modem

The DCM-200 cable modem connects a PC, Internet gateway, router or other hosts to a broadband cable network flexibly through either a 10BASE-T Ethernet or USB interface. It provides a standard-based solution to deliver reliable high-speed access over a cable television network to small business, telecommuters and home PC users.

High-speed Performance

This high-performance broadband device bridges radio-wave-like signals sent over cable TV wiring to standard Ethernet LAN connections, which can be plugged into a host's Ethernet interface. The DCM-200 provides two-way Internet access, delivering the speed required by today's most demanding computer applications.

Highly Inter-operable

The DCM-200 strictly complies with today's cable modem industry standard. It complies with DOCSIS (Data Over Cable Service Interface Specification) 1.0 and can be easily upgraded to comply with DOCSIS 1.1 in the future. It is also CableLabs certified, ensuring users transparent operation, no matter which cable operator network is installed at the subscriber's premise.

Flexible Applications

A single downstream 6MHz television channel may support up to 30.34Mbps of downstream data

throughput from a cable headend using 64 QAM modulation technology. Speeds can be boosted to 42.88Mbps using 256 QAM. The modem supports both QPSK and 16 QAM modulation techniques, providing upstream channel delivery of up to 5.12Mbps from premises when QPSK is used, and up to 10.24Mbps when 16 QAM is employed. With multiple channels, multiple users support, the DCM-200 can be used with a wide range of applications, from residential (PCs, Internet gateways) to telecommuter (notebooks, portable computers) to SOHO (routers, VoIP gateways).

Security and Management

To provide a high-level of security, the DCM-200 supports Baseline Privacy DES encryption/decryption. SNMP Remote Management MCNS MIBs are also built into the device, allowing network management to be carried out across multi-vendor platforms. Static IP and dynamic (DHCP) IP address requests are supported, enabling efficient management of IP allocations.

Key Features

- DOCSIS 1.0 standard compliant
- Upgradable to comply with DOCSIS 1.1
- Two-way communications with speeds up to 42.88Mbps downstream, and 10.24Mbps upstream
- Supports up to 15 users
- Provides 10BASE-T Ethernet and USB interface to host
- Automatically finds send/receive data channels
- DES encryption/decryption
- QPSK/16QAM burst modulator
- 64/256 QAM receiver
- Built-in MCNS MIBs
- SNMP standard management
- Static IP/dynamic (DHCP) IP assignment
- FEC error correction

DCM-200

Technical Specifications

General

Standard

- MCNS/DOCSIS 1.0
- DOCSIS 1.1upgradable

Host Interface

- 10BASE-T Ethernet(RJ-45)
- USB 1.1(Type Bport)

Network Cable Interface

F-Type Female 75 ohm

Certification

CableLabs

Downstream Receiver

Demodulation

64 QAM/256 QAM

Data Speeds

- Up to 30.342 Mbps (64 QAM)
- Up to 42.88 Mbps (256 QAM)

Frequency Range

91MHz - 860 MHz

Receive Level

15dBmV to +15 dBmV

Upstream Transmitter

Data Speeds

QPSK: 320Kbps, 640Kbps, 1280Kbps, 2560Kbps, 5120Kbps
16 QAM: 640Kbps, 1280Kbps, 2560Kbps, 5120Kbps, 10240Kbps

Error Correction

Reed-Solomon

Frequency Range

5 MHz to 42 MHz

Modulation

QPSK/16 QAM

Transmission Level

+8 to +55dBmV (16 QAM)
+8 to +58dBmV (QPSK)

Physical & Environmental

LED Indicators

Power
Link (Ethernet link)
Act (data transmission activity)
Status (cable connection)

Power Consumption

12 watts (max.)

Power Input

DC 12V, 1.25A
Uses external AC power adapter

Storage Temperature

-20° to 60°C (-4° to 140°F)

Operating Temperature

0° to 40°C (32° to 104°F)

Humidity

10% to 90% non-condensing

Dimensions

164.5 x 222 x 35 mm (6.5 x 8.7 x 1.4 inches)

Weight

602 grams (1.33lb.)

Broadband Networking Series

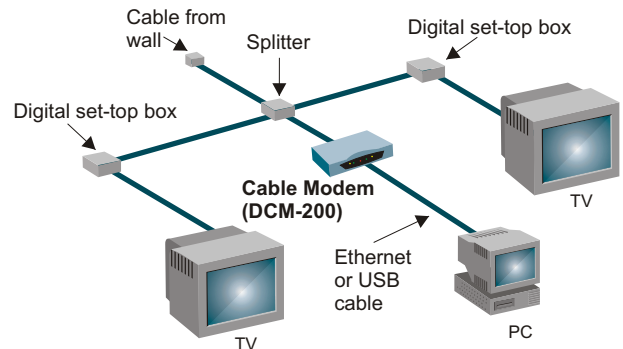
Cable
Modem

Emission

- FCC Class B
- CE Class B
- C-Tick

Safety

- UL/CUL
- TUV



ACN 052 202 838



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Ordering Information

Cable Modem

DCM-200

Cable modem with 10BASE-T Ethernet and USB interface to host

An external AC power adapter goes with this cable modem. Please specify your model number as follows:

| | |
|-----------|---|
| RDCM200 | U.S. retail package version, includes an American standard AC power adapter |
| DCM200A | Includes an American standard AC power adapter |
| DCM200B | Includes a U.K. standard AC power adapter |
| DCM200E | Includes an EU standard AC power adapter |
| DCM200N | Includes an Australian standard AC power adapter |
| DCM200CN | Includes a Chinese standard AC power adapter |
| DCM200U | Includes no AC power adapter |
| DCM200A12 | 12 Pack of 12 units of DCM200A (includes 12 cable modems, 12 AC power adapters, 1 manual and driver disk) |
| DCM200E12 | 12 Pack of 12 units of DCM200E (includes 12 cable modems, 12 AC power adapters, 1 manual and driver disk) |

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|----------------------|------------------------|------------------------|
| U.S.A. | TEL: 1-949-788-0805 | FAX: 1-949-753-7033 |
| Canada | TEL: 1-905-829-5033 | FAX: 1-905-829-5095 |
| Europe | TEL: 44-20-8731-5555 | FAX: 44-20-8235-5511 |
| U.K. | TEL: 44-20-8731-5555 | FAX: 44-20-8235-5511 |
| Germany | TEL: 49-61-96779900 | FAX: 49-61-967799300 |
| France | TEL: 33-1-30.23.86.88 | FAX: 33-1-30.23.86.89 |
| Italy | TEL: 39-02-2900-0676 | FAX: 39-02-2900-1723 |
| Iberia | TEL: 34-93-4965751 | FAX: 34-93-4965701 |
| Sweden | TEL: 46-(0)8-564-61900 | FAX: 46-(0)8-564-61901 |
| Norway | TEL: 47-22-991890 | FAX: 47-22-207039 |
| Denmark | TEL: 45-43-96.90.40 | FAX: 45-43-42.43.47 |
| Finland | TEL: 358-9-622-91660 | FAX: 358-9-622-91661 |
| Singapore | TEL: 65-774-6233 | FAX: 65-774-6322 |
| Australia | TEL: 61-2-9417-7100 | FAX: 61-2-9417-1077 |
| Japan | TEL: 81-3-5434-9678 | FAX: 81-3-5434-9868 |
| China | TEL: 86-10-88097777 | FAX: 86-10-88096789 |
| India | TEL: 91-22-652-6696 | FAX: 91-22-652-8914 |
| Middle East | TEL: 202-2456176 | FAX: 202-2456192 |
| South America | TEL: 56-2-232-3185 | FAX: 56-2-232-0923 |
| South Africa | TEL: 27(0)126652165 | FAX: 27(0)126652186 |
| Russia | TEL: 7-095-737-3389 | FAX: 7-095-737-3390 |
| Taiwan | TEL: 886-2-2910-2626 | FAX: 886-2-2910-1515 |
| D-Link Corp. | TEL: 886-2-2916-1600 | FAX: 886-2-2914-6299 |



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