

# Data Cable Modem MCM2100

## Introduction

- Always on, always connected and always ready to go
- Use for existing RG58 Cable/ No telephone line needed
- Capable of downloading up to 100 times faster than traditional 28.8k analog phone modems
- Downloads extreme mega-files in seconds
- Convenient for real-time online gaming and console online access
- USB or Ethernet connectivity for easy installation



## Feature

- DOCSIS® 1.1 and DOCSIS® 2.0 Compliant
- Front-panel LEDs to indicate status
- User-friendly online diagnostics page
- Supports standard Internet software

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## Specification

### DOWNSTREAM SPEC

- Modulation: 64 or 256 QAM
- Maximum Data Rate: 30 (64QAM), 42 (256QAM)
- Operating Level Range: -15 to +15 dBmV
- Frequency Range: 88 to 860 MHz
- Input Impedance: 75  $\Omega$  (nominal)
- Bandwidth: 6Mhz

### UPSTREAM SPEC

- Modulation Support: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM(SCDMA Only)
- Frequency Range: 5 to 42 MHz (edge to edge)
- Operating Level Range: A-TDMA +8 to +54 dBmV (32 QAM, 64 QAM); +8 to +55 dBmV (8 QAM, 16 QAM); +8 to +58 dBmV (QPSK); S-CDMA +8 to +53 dBmV (all modulations)
- Output Impedance: 75  $\Omega$  (nominal)
- Maximum Data Rate: 30 Mbps
- Signal to Noise Ratio: >30

## General

- WAN/Cable Interface: F-connector, female/75 $\Omega$
- Network Interface: USB\* 1 port and Ethernet 10/100Base-T\* 1 port
- Data Protocol: TCP/IP
- LED Indication: Power, DS, US, ONLINE, LINK/ACT
- Power Supply: DC 12.0V
- Dimension (L\* W\* H): 160\* 130\* 30 mm
- Operating Temperature: 0 $^{\circ}$ C ~ 40 $^{\circ}$ C
- Storage Temperature: -20 $^{\circ}$ C ~ 60 $^{\circ}$ C
- Relative Humidity: 10% to 90% non-condensing
- Emission & Safety: Compliance with FCC Part15

